



MARLIN P. JONES & ASSOC. INC.



www.mpja.com

MINI 0-30V/3A SUPPLY

**LIMITED TIME
REDUCED PRICE**

P/N: 9615
Input: 110 VAC 60Hz
Output: 0-30VDC @ 0-3A Constant Voltage/Current
Specifications/Features: True Constant Current (Can drive a short). Enclosed Switching bench supply with backlit LCD display for output Volts & Amps. .01% +5mV Line /2.2%+5mV Load regulation, <200mV RMS max ripple. Front banana jacks. Internal fan. CE/RoHS
L: 6" W: 2-7/8" H: 6-3/4" WT: 3.2



STOCK #	DESC.	1EA
9615-PS	Mini 0-30V/3A Bench Supply	\$49.95

TIME DELAY RELAY

MFG: MIDTEX
P/N: 614-43T3A4
Coil: 120VAC
Contacts: 10A, 1/3hp @ 120VAC
3PDT adjustable Time Delay relay. 6-60seconds adjustable DELAY on ENERGIZE. Socket mount with .187 quick connect terminals.
H: 3" O/A W: 1-1/2" H: 1-7/8" WT: .2

**MORE
PGS
25,26**

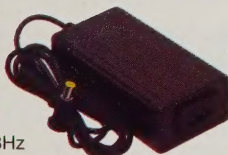


STOCK #	DESC.	1EA
19082-RL	Midtex Delay Relay	\$14.95

19V @2.65A SUPPLY

MFG: GLOBTEK
P/N: GS1043
Input: 100-240 VAC 47-63Hz
Output: 19VDC @ 2.65A
Specifications/Features: Switching desktop supply with overvoltage & current limit protection. Non-polarized 2 wire IEC Type 2-C8 input connector. 6ft output cord with ferrite filter & a Right Angle, EIAJ-05 Coaxial Plug (6.5mm O/D X 4.3mm I/D X 1.4mm Center Pin). TUV/canada/usa/CE listed.
POWER CORD NOT INCLUDED.
ORDER POWER CORD: Stock # 15447-CB
L: 4-3/4" W: 2-3/8" H: 1-5/16" WT: .65

**MORE
PGS
2-10**



STOCK #	DESC.	1EA
19078-PS	19V @ 2.65A Globtek Supply	\$3.95

28VDC @10.8A SUPPLY

MFG: NAO
P/N: PJSP-300-1028
Input: 100-240 VAC 50/60Hz
Output: 28VDC @ 10.8A
Specifications/Features: Output rated with 34CFM air flow Power Factor corrected, Open frame switching supply with current limit & Temperature protection. 1% line/load reg. Molex connectors for input & Output (Pins & Housings Supplied), UL/usa/canada/CE listed.
L: 7-3/4" W: 5-1/4" H: 1-3/4" WT: 2.8

**MORE
PGS
2-10**



STOCK #	DESC.	1EA
18927-PS	28V@10.8A Supply	\$29.95

WEB:

**www.mpja.com
Online Buying**

Phone:

**Order: 800-652-6733
Fax: 800-432-9937
Info: 561-848-8236**

Mail:

**P.O. Box 530400
Lake Park, FL
33403-8906**

BUY 1 GET 1 FREE

830 TIE POINT BREADBOARD LIMITED QUANTITY

SEE 4443 TE for SPECIFICATIONS
solderless breadboard with 2 distribution strips

**MORE
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51,52**



19047-TE 2 BREADBOARDS \$4.95

CRYSTAL OSCILLATOR

Kinseki Ltd. 1/2 Size 4 Pin 10.00MHz. oscillator module. 5VDC powered. No Data
Pin 1: Enable Pin 8: +5VDC
Pin 4: Ground Pin 4: Output
SQ 1/2" H: 1/4" WT: .004



STOCK #	DESC.	1EA
19080-CY	10.00MHz Crystal Osc.	\$0.79

12VDC SPST-NO RELAY

MFG: OMRON
P/N: G8P-1114P-US
COIL: 12VDC/155 ohms
CONTACT RATING: 30A @ 250, 15A @ 125VAC;
1hp @ 120V; 2hp @ 250VAC
ACTION: SPST-NO
Sealed HVAC/Industrial relay for PCB mounting. UL/CSA Listed

**MORE
PGS
25,26**



STOCK #	DESC.	1EA
19059-RL	12VDC Omron Relay	\$5.95

12V RECHARGABLE BATTERY

Power-Sonic 1220 Sealed Lead/Acid gell cell with .187 Quick connect terminals. For general purpose use in Alarms, Portable lighting. 20hr capacity rating. UL listed.
L: 7" W: 1-3/8" H: 2-9/16" WT: 2.8

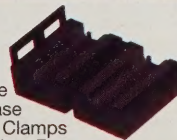
**MORE
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12**



STOCK #	DESC.	1EA
18899-BT	12V@2.5A Gel Cell	\$9.95

SNAP-ON NOISE FILTERS

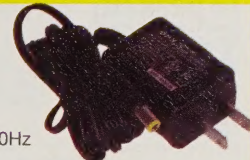
TIA-TECH P/N W5 SRH ferrite snap-on filters. Black Plastic case with type W5 split core material. Clamps around 1/4" cable and blocks noise. Frequencies from 25MHz to above 500MHz. impedance: 100+ @ 25MHz / 200+ @ 100MHz
L: 1.3" WT: .07



STOCK #	DESC.	WT	1EA
18466-FL	.25" Clam Noise Filter	.07	\$0.99

12V @ 1A SUPPLY

MFG: DPX
P/N: GFP101U-1210
Input: 100-120 VAC 50/60Hz
Output: 12VDC @ 1A
Specifications/Features: Switching plug supply with overvoltage & current limit protection. Non-Polarized 2 blade input. 6ft output cord with 10mm X 5.5/2.1mm ID coaxial plug Center +. UL/canada/usa/listed. RoHS
L: 1-3/4" W: 1-1/4" T: 7/8" WT: .16



STOCK #	DESC.	1EA
19087-PS	12V @ 1A 5.5/2.1 Plug Supply	\$4.95

LED LIGHT BAR

Light Bar with 150 Red Micro LEDs. 18-24VDC Operation. Draws 19mA @ 18V, 36mA @ 20V, 77mA @ 24V. 9" leads.

L: 14-3/4" Lighted 15" O/A W: 13/16" WT: .04

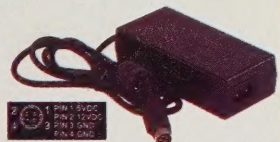
STOCK #	DESC.	1EA
19079-LA	Red LED Lght Bar	\$5.95



**MORE
PG
55**

5V & 12VDC @ 2A SUPPLY

MFG: LACIE
P/N: ACU034A-0512
Input: 100-240 VAC 50-60Hz
Output: #1: +5V @ 2A #2: +12V 2A
Specifications/Features: USED, Switching desktop supply with overvoltage & current limit protection. Non-polarized 2 wire IEC Type 2-C8 input connector. 4ft output cord with 4 Pin Kycon KPPX connector. UL/canada/usa/TUV/CE listed. POWER CORD NOT INCLUDED. ORDER CORD: Stock # 15447-CB
L: 4-1/4" W: 2" H: 1-1/8" WT: .52



STOCK #	DESC.	1EA
19072-PS	5 & 12V @ 2A Desktop Supply	\$8.95

VIBRATION ISOLATOR

Rubber shock mount/isolator with M6-1 X 12mm (7/16") long threaded stud on both ends. 2 Nuts Included.
Dia: 5/8" L: 5/8" Body 1-1/2" O/A WT: .04

STOCK #	DESC.	1EA
19076-HD	Vibration Isolator	\$1.49



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LASER POINTER & FLASHLIGHT

SEE 18331 TL for SPECIFICATIONS
2super bright white LEDs and a Class III, <5mW, 650nm Red LASER Pointer



19063-TL 2 LASER POINTERS \$2.95



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- View all Quantity Discount Pricing
- Access to Datasheets (where available)

0-18VDC @ 3A BENCH SUPPLY

P/N: 9600
Input: 110 VAC 60Hz
Output: 0-18VDC @ 0-3A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short) Enclosed Linear bench supply with dual LCD displays for output Volts & Amps. .01%+3mV Line / .02%+3mV Load regulation, <1mV RMS ripple. Front binding posts. Metal case & rubber feet. Internal Temp. controlled fan

L: 9-1/2" W: 3-5/8" H: 6" WT: 8.6

STOCK #	DESC.	1EA	5+EA
9600-PS	0-18V/3A Adj. Supply	\$59.95	\$52.95

MINI BENCH SUPPLIES

P/N: 9616/9617
Input: 110 VAC 60Hz
Output: 0-30VDC
0-3A Constant Voltage/Current(9616)
0-5A Constant Voltage/Current(9617)

Specifications/Features: Adjustable Voltage/adjustable Current limit. Enclosed regulated switching bench supply with backlit LCD display for output Volts & Amps. 1% +10mV Line/1%+5mV Load regulation, <200mV RMS max ripple. Banana jacks (9616), Binding Posts (9617). Internal fan.

H: 6-1/2" W: 1-1/4" D: 8-3/4" WT: 3.9

STOCK #	DESC.	1EA
9616-PS	Mini 0-30V/3A Bench Supply	\$59.95
9617-PS	Mini 0-30V/5A Bench Supply	\$69.95

0-50VDC @ 3A BENCH SUPPLY

P/N: 9612
Input: 110 VAC 60Hz
Output: 0-50VDC @ 0-3A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short). Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .02%+3mV Load regulation, <1mV RMS ripple. Front binding posts. Internal Temp. controlled fan.

L: 11-1/4" W: 5-3/16" H: 6-1/4" WT: 14

STOCK #	DESC.	1EA
9612-PS	0-50V/3A Adj. Supply	\$99.00

0-30VDC/5A BENCH SUPPLY

Input: 110 VAC 60Hz
Output: 0-30VDC @ 0-5A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short). Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .02%+3mV Load regulation, <1mV RMS ripple. Front binding posts. Internal Temp. controlled fan.

L: 11-1/4" W: 5-3/16" H: 6-1/4" WT: 14

STOCK #	DESC.	1EA	5+EA
9603-PS	0-30V/5A Bench Supply	\$110.00	\$95.00

DUAL 0-30VDC/3A & 5VDC/3A BENCH SUPPLY

MFG: MPJA Inc.
Input: 110 VAC 60Hz
Outputs: #1: 0-30VDC @ 0-3A
#2: 0-30VDC @ 0-3A #3: 5VDC @ 3A fixed

Specifications/Features: Dual Constant Voltage or Current supply with dual backlit LCD meters that displays Volts & Amps. Selectable Series or Parallel operation of Adj. supplies (0-60V/3A or 0-30V/6A). 10 turn Voltage control, Push button Current control (30ma resolution). <.01% Line / Load regulation (CV). .05% line/load (CC), <1mV / <2mA RMS ripple. Front panel output Banana Jacks & Terminal strips.

W: 10-3/4" D: 13" H: 7-1/2" WT: 28.7

STOCK #	DESC.	1EA
9333-PS	Dual 0-30V & 5V Bench Supply	\$179.00

0-30VDC @ 10A BENCH SUPPLY

Input: 110 VAC 60Hz
Output: 0-30VDC @ 0-10A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short) Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .05%+3mV Load regulation, <1.5mV RMS ripple. Front binding posts.

L: 11-1/4" W: 10-1/2" H: 6-1/2" WT: 28

STOCK #	DESC.	1EA
9604-PS	0-30V/10A Adj. Supply	\$169.00

0-30VDC @ 19A BENCH SUPPLY

Input: 110 VAC 60Hz
Output: 0-30VDC @ 0-19A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short). Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .05%+3mV Load regulation, <1.5mV RMS ripple. Front binding posts. Internal Temp. controlled fans.

L: 11-1/4" W: 10-1/2" H: 6-1/2" WT: 41

STOCK #	DESC.	1EA	5+EA
9950-PS	0-30V/19A Adj. Supply	\$269.00	\$239.00

0-60VDC RACK MOUNT SUPPLY

P/N: BTI-150
Input: 110 VAC/60Hz
Output: Three switch selectable Ranges: 0-15VDC/0-10A 0-30VDC/0-5A 0-60VDC/0-2.5A

Specifications/Features: Enclosed switching supply with dual LED displays for output Volts & Amps. Course & Fine controls for Voltage & Current Limit. 1% Line/Load Reg. <1% ripple. Front binding posts & Internal fan. Feet & brackets can be Installed/Removed as needed for Rack Stacking or bench top use

W: 19" H: 3-1/2" (2U) D: 12-1/4" WT: 12

STOCK #	DESC.	1EA
18650-PS	0-60V Adj. Rack Supply	\$189.95

PROGRAMMABLE 0-36VDC @ 3A BENCH SUPPLY

INPUT: 110 VAC 60Hz
OUTPUT: 0-36VDC @ 0-3A
Resolution V: 1mV @ <3.999V 10mV @ >4.000V
I: <=1mA

Ripple: <= 2mV RMS
Regulation: <= .02% +10mv Line/Load
Specifications/Features: Programmable supply with back-lit LCD display, numeric keypad, rotary digital control. Operates as Constant Voltage, Current or Power. Up to 10 settings can be stored in memory. Easy set up using keypad. OPTIONAL Control packages allows PC control via RS232 or USB interface, W: 8-1/2" H: 3-3/4" D: 11" WT: 14.9

STOCK #	DESC.	1EA
15316-PS	Programmable Supply	\$199.00
15317-PS	RS232 Computer Interface	\$24.95
15318-PS	USB Computer Interface	\$24.95
15319-PS	RS485 Computer Interface	\$24.95

0-120VDC/1A BENCH SUPPLY

MFG: MPJA Inc.
Input: 110 VAC 60Hz
Output: 0-120VDC @ 0-1A

Specifications/Features: Constant Voltage or Current Enclosed bench supply with single backlit LCD meter that displays Volts & Amps. 10 turn Voltage control, Push Button Current control (30ma resolution). <.01% Line/ Load regulation (CV). .05% line/load (CC), <1mV / <2mA RMS ripple. Front panel output Banana Jacks & Terminal strips. Rubber feet, top carry strap

W: 5-1/4" D: 11-1/4" H: 7-1/2" WT: 14.3

STOCK #	DESC.	1EA	5+EA
9312-PS	0-120V/1A Supply	\$129.00	\$119.00

0-120VDC/3A BENCH SUPPLY

MFG: MPJA Inc.
Input: 110 VAC 60Hz
Output: 0-120VDC @ 0-3A

Specifications/Features: Regulated Bench supply with Adjustable Current limit. LED meter displays Volts & Amps. Push button switch connects supply to load. Multi turn Voltage control for precise settings. 5mV RMS ripple. Front panel output Binding Posts & Terminal strip for remote Voltmeter Sensing at the load.

W: 10-3/4" D: 15" H: 6" Ship WT: 26.5

STOCK #	DESC.	1EA
9313-PS	0-120V 3A Bench Supply	\$265.95

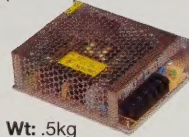
High reliability line of power supplies designed to operate over the wide range of AC power found world wide.

- Overvoltage, Overcurrent, Short Circuit Protected
- 100% Full Load Burn-in Tested--Full rated to 50°C

No minimum load--UL/CANADA/USA/CE listed.

40W SUPPLIES

Input: 85-264 VAC 47-63Hz Universal
L: 129mm W: 98mm H: 40mm
L: 5.08" W: 3.86" H: 1.57"



Wt: .5kg
Wt: 1.1lb

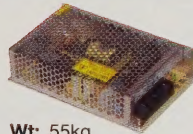
STOCK #	OUTPUT	PART #	RIP/NOISE	EFF	CASE
16000-PS	5V/8A	HF-40W-SL5	80mV	72%	A
16001-PS	12V/3.5A	HF-40W-SL12	100mV	76%	A
16002-PS	15V/2.8A	HF-40W-SL15	100mV	76%	A
16003-PS	24V/1.8A	HF-40W-SL24	100mV	78%	A
16004-PS	48V/0.8A	HF-40W-SL48	150mV	80%	A

DISCOUNT PRICING

Qty: 1-9	Qty: 10-99	Qty: 100+
\$24.50	\$21.52	\$17.93

60W SUPPLIES

Input: 85-264 VAC 47-63Hz Universal
L: 160mm W: 98mm H: 39mm
L: 6.3" W: 3.86" H: 1.54"



Wt: .55kg
Wt: 1.2lb

STOCK #	OUTPUT	PART #	RIP/NOISE	EFF	CASE
16005-PS	5V/12A	HF-60W-SL5	80mV	73%	B
16006-PS	12V/5A	HF-60W-SL12	100mV	76%	B
16007-PS	15V/4A	HF-60W-SL15	120mV	77%	B
16008-PS	24V/2.5A	HF-60W-SL24	150mV	80%	B
16009-PS	48V/1.3A	HF-60W-SL48	200mV	81%	B

DISCOUNT PRICING

Qty: 1-9	Qty: 10-99	Qty: 100+
\$28.59	\$23.05	\$20.39

100W SUPPLIES

Input: 85-132/170-264 VAC 47-63Hz Selectable
L: 199mm W: 98mm H: 39mm
L: 7.83" W: 3.86" H: 1.54"



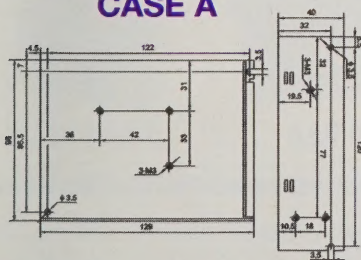
Wt: .68kg
Wt: 1.5lb

STOCK #	OUTPUT	PART #	RIP/NOISE	EFF	CASE
16010-PS	3.3V/20A	HF-100W-SF3.3	100mV	77%	C
16011-PS	5V/20A	HF-100W-SF5	100mV	78%	C
16012-PS	7.5V/13.5A	HF-100W-SF7.5	100mV	82%	C
16013-PS	12V/8.5A	HF-100W-SF12	100mV	82%	C
16014-PS	15V/6.7A	HF-100W-SF15	100mV	82%	C
16015-PS	24V/4.5A	HF-100W-SF24	100mV	83%	C
16016-PS	48V/2.2A	HF-100W-SF48	150mV	84%	C

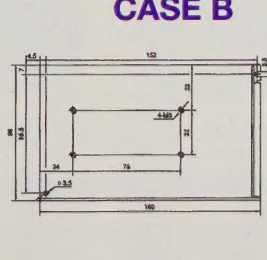
DISCOUNT PRICING

Qty: 1-9	Qty: 10-99	Qty: 100+
\$34.80	\$28.90	\$25.15

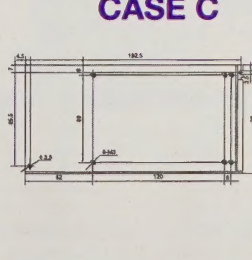
CASE A



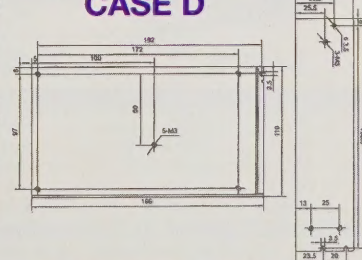
CASE B



CASE C



CASE D



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360° VIEW
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GENERAL SPECIFICATIONS

RoHS Compliant

Line Regulation (Full Load): < +/- 0.5%
Load Regulation: .05% (0-100%)
Inrush Current: 20A/115V, 40A/230V
Input Leakage Current: <0.7mA @ 230VAC
Output Adjustment Range: +/- 10%
Overload Protection: 40/60W: 110-150%
100/150W: 110-130%

Over Voltage Protection: 115-150%
Rise Time: 50mS Full Load (Typical)
Hold Up Time: 20mS Full Load (typical)

Withstand Voltage (1 Min.):

Input to Output: 3.0KV AC
Input to Frame/Ground: 1.5KV AC
Output to Frame/Ground: 0.5KV AC

MTBF: 100,000 Hours

Operating Temp. & Humidity: -10° C to +50° C

20%-93% Non Condensing
Storage Temp. & Humidity: -20° C to +85° C
20%-95% Non Condensing

Cooling: Convection

Approvals/Standards:

cULus Ref. No.: E22014
Safety: GB4943, UL60950, EN60950
EMC: GB9254, EN55022 class B, EN55024
EN61000-3-2/3
EN61000-4-2/3/4/5/6/8/11

150W SUPPLIES

Input: 85-132/170-264 VAC 47-63Hz Switch Selectable

L: 199mm W: 110mm H: 50mm Wt: .73
L: 7.83" W: 4.33" H: 1.97" Wt: 1.6lb



STOCK #	OUTPUT	PART #	RIP/NOISE	EFF	CASE
16017-PS	5V/30A	HF-150W-SF5	120mV	78%	D
16018-PS	7.5V/20A	HF-150W-SF7.5	120mV	80%	D
16019-PS	9V/17A	HF-150W-SF9	120mV	80%	D
16020-PS	12V/12.5A	HF-150W-SF12	120mV	82%	D
16032-PS	24V/6.5A	HF-150W-SF24	150mV	85%	D
16033-PS	28V/5.5A	HF-150W-SF28	150mV	85%	D
16034-PS	36V/4.2A	HF-150W-SF36	200mV	86%	D

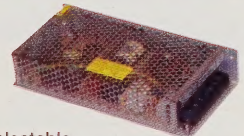
DISCOUNT PRICING

Qty: 1-9	Qty: 10-99	Qty: 100+
\$42.88	\$34.90	\$32.50

240W SUPPLIES

Input: 85-132/170-264 VAC 47-63Hz Switch Selectable

L: 199mm W: 110mm H: 50mm Wt: .9kg
L: 7.83" W: 4.33" H: 1.97" Wt: 2.0lb



STOCK #	OUTPUT	PART #	RIP/NOISE	EFF	CASE
18434-PS	5V/40A	HF-240W-SF5	100mV	80%	D
18435-PS	12V/18A	HF-240W-SF12	100mV	83%	D
18436-PS	24V/10A	HF-240W-SF24	120mV	85%	D
18437-PS	48V/5A	HF-240W-SF48	150mV	87%	D

DISCOUNT PRICING

Qty: 1-9	Qty: 10-99
\$49.90	\$45.25



INTERNATIONAL POWER OPEN FRAME LINEAR SUPPLIES



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Specifications/Features: High reliability line of power supplies designed to operate over the wide range of AC power sources found world wide. $\pm .05\%$ Regulation, Full rated to 50°C, Foldback Current Limit, no minimum load, Remote Sense, UL/CSA/TUV/CE listed. RoHS level 5

5VDC OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6601-PS	IHA5-1.2/OVP	5V/1.2A	A	\$40.42	\$38.30
6602-PS	IHA5-1.5/OVP	5V/1.5A	B	\$40.42	\$38.30
6603-PS	IHB5-3/OVP	5V/3.0A	B	\$40.42	\$38.30
6604-PS	IHC5-6/OVP	5V/6.0A	C	\$67.19	\$63.66
6605-PS	IHN5-9/OVP	5V/9.0A	N	\$91.77	\$86.94
6606-PS	IHD5-12/OVP	5V/12.0A	D	\$104.34	\$98.85
8521-PS	IHE5-18/OVP	5V/18.0A	E	\$147.21	\$139.46
8522-PS	IHF5-25/OVP	5V/25.0A	F	\$241.05	\$228.37

15VDC OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6612-PS	IHA15-0.5	15V/0.5A	A	\$40.42	\$38.30
6613-PS	IHA15-0.9	15V/0.9A	B	\$40.42	\$38.30
6614-PS	IHB15-1.5	15V/1.5A	B	\$40.42	\$38.30
6615-PS	IHC15-3.0	15V/3.0A	C	\$60.73	\$58.48
6616-PS	IHN15-4.5	15V/4.5A	N	\$86.05	\$81.77
6617-PS	IHD15-6	15V/6.0A	D	\$97.78	\$92.64
8524-PS	IHE15-9	15V/9.0A	E	\$136.29	\$129.11
6618-PS	IHF15-15	15V/15.0A	F	\$231.94	\$219.74

28VDC OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6626-PS	IHB28-1	28V/1.0A	B	\$40.42	\$38.30
6627-PS	IHC28-2	28V/2.0A	C	\$60.73	\$58.48
6628-PS	IHN28-3	28V/3.0A	N	\$86.31	\$81.77
6629-PS	IHD28-4	28V/4.0A	D	\$97.78	\$92.64
8525-PS	IHE28-6	28V/6.0A	E	\$136.29	\$129.11

HIGH VOLTAGE OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz

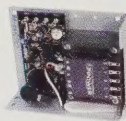
Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
8528-PS	IHB155-0.12	135-170V/.12A	B	\$52.61	\$49.84
8529-PS	IHB200-0.12	175-210V/.12A	B	\$52.61	\$49.84
8530-PS	IHB250-0.10	215-265V/.10A	B	\$52.61	\$49.84

CASE SIZE AND WEIGHTS



CASE A



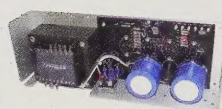
CASE B



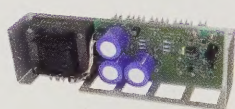
CASE C



CASE D



CASE E



CASE F



CASE N

CASE	LEN.	WIDTH	THICK	WEIGHT
A	3.75"	3.00"	2.20"	1
B	4.87"	4.00"	2.10"	2
C	5.62"	4.87"	2.95"	4
N	7.00"	4.87"	3.35"	6
D	9.00"	4.87"	3.20"	7.5
E	14.00"	4.87"	3.40"	10
F	16.75"	4.88"	6.30"	19

12VDC OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz.

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6607-PS	IHB12-1.7	12V/1.7A	B	\$40.42	\$38.30
6608-PS	IHC12-3.4	12V/3.4A	C	\$60.73	\$58.48
6609-PS	IHN12-5.1	12V/5.1A	N	\$86.31	\$81.77
6610-PS	IHD12-6.8	12V/6.8A	D	\$97.78	\$92.64
8523-PS	IHE12-10.2	12V/10.2A	E	\$136.29	\$129.11
6611-PS	IHF12-15	12V/15.0A	F	\$231.94	\$219.74

24VDC OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6619-PS	IHA24-0.5	24V/0.5A	B	\$40.42	\$38.30
12784-PS	IHB24-1.2	24V/1.2A	B	\$40.42	\$38.30
6621-PS	IHC24-2.4	24V/2.4A	C	\$60.73	\$58.48
6622-PS	IHN24-3.6	24V/3.6A	N	\$86.31	\$81.77
6623-PS	IHD24-4.8	24V/4.8A	D	\$97.78	\$92.64
6624-PS	IHE24-7.2	24V/7.2A	E	\$136.29	\$129.11
7377-PS	IHF24-12	24V/12.0A	F	\$231.94	\$219.74

48VDC OUTPUT SUPPLIES

Input: 100/120/220/230-240 VAC 50/60Hz

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6630-PS	IHB48-0.5	48V/0.5A	B	\$52.61	\$40.50
6631-PS	IHC48-1	48V/1.0A	C	\$70.11	\$66.42
6632-PS	IHD48-3	48V/3.0A	D	\$108.87	\$103.14
8526-PS	IHE48-4	48V/4.0A	E	\$147.21	\$139.46
8527-PS	IHF48-8	48V/8.0A	F	\$323.76	\$306.72

500 WATT POWER SOURCES

Unregulated power sources for use where full regulated power is not required, such as solenoids, motors, DC/DC converters & lamps. Floating outputs, 3% output ripple at full load (4% on 12V model). Full rated to 55°C, no minimum load. UL/CSA/TUV listed

Input: 108/120/132/216/240/264 VAC 50/60Hz.

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
8531-PS	IP500U12	14.7V/0A 13V/15A 12V/30A	U	\$245.67	\$232.74
6645-PS	IP500U24	29.2/0A 26.8/10A 24.6V/20.0A	U	\$245.67	\$232.74
6642-PS	IP500U36	42.8/0A 38.2/6.6A 36.1V/13.3A	U	\$245.67	\$232.74
6646-PS	IP500U48	56.6/0A 52.8/5A 48.8V/10.0A	U	\$245.67	\$232.74
6643-PS	IP500U65	72.5/0A 68.8/3.8A 65/7.7A	U	\$245.67	\$232.74
6644-PS	IP500U75	85.5/0A 78.2/3.3A 74.8V/6.6A	U	\$245.67	\$232.74

MULTI. OUTPUT SUPPLIES

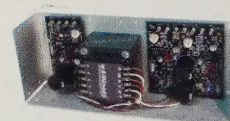
Input: 100/120/220/230-240 VAC 50/60Hz

Output: See below.

STOCK #	IP PART #	OUTPUT	CASE	1-9EA	10+EA
6633-PS	IHAA15-0.8	+&-12V/0.8A	AA	\$53.15	\$50.36
6634-PS	IHTAA16W	5V/2A,+12/.4,-12/.4	AA	\$67.52	\$63.96
6635-PS	IHBAA40W	5V/3A,+&-12V/1A	BAA	\$92.64	\$87.77



CASE AA



CASE BAA



CASE U

CASE	LEN.	WIDTH	THICK	WEIGHT
AA	6.50"	4.00"	2.07"	2
BAA	10.25"	4.00"	2.95"	5
U	9.0"	4.62"	5.62"	22



INTERNATIONAL POWER OPEN FRAME MULTIPLE OUTPUT LINEAR SUPPLIES



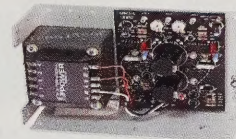
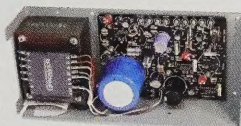
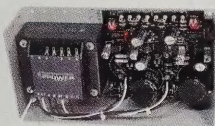
www.powersupplydepot.com

Input: 100/120/220/230-240 VAC 50/60Hz Output: See below.

STOCK #	MFG/MODEL #	OUTPUT #1	OUTPUT #2	OUTPUT #3.	CASE	WT.	1EA	10+EA
8532-PS	IHCC5-6/OVP	+5V @ 6.0A	-5V @ 6.0A	-	CC	7 lbs	\$118.92	\$112.66
8533-PS	IHD12-6.8-504	+5V @ 3.0A	12V @ 6A Isolated	-	D	7.5 lbs	\$148.48	\$140.66
6641-PS	IHCC512	+5V @ 6.0A	12-15V adj @ 2.5A Isolated	-	CC	7 lbs	\$113.46	\$107.49
6637-PS	IHAD12-0.4	+12V @ 0.4A	-12V @ 0.4A	-	B	2 lbs	\$45.29	\$42.90
6638-PS	IHAD15-0.4	+15V @ 0.4A	-15V @ 0.4A	-	B	2 lbs	\$45.29	\$42.90
8534-PS	IHBB24-1.2	+24V @ 1.2A	-24V @ 1.2A	-	BB	4 lbs	\$68.83	\$65.21
6639-PS	IHCC15-3.0	+12V @ 3.4A	-12V @ 3.4A	-	CC	7 lbs	\$108.00	\$102.31
	OR	+15V @ 3.0A	-15V @ 3A	-				
6636-PS	IHCAA-60W	+5V @ 6.0A	+12-15V @ 1A	-12-15V @ 1A	D	7.5 lbs	\$110.46	\$104.64
	OR		"	-5V @ 0.4A				
7380-PS	IHBCC512	+5V @ 3.0A	+12V @ 3.4A	-12V @ 3.4A	CC	7 lbs	\$142.90	\$135.38
	OR	"	+15V @ 3A	-15V @ 3A				
8535-PS	IHBCC524	+5V @ 3.0A	+18-20V @ 1.8A	-18-20V @ 1.8A	CC	7 lbs	\$142.90	\$135.38
	OR	"	+24V @ 2.4A	-24V @ 2.4A				
MULTIPLE OUTPUT LINEAR FOR HARD/FLOPPY DRIVES								
8536-PS	ICP162	+5V @ 3A	-5V @ .6A	+24V @ 5A (6Apk)	131	9 lbs	\$159.55	\$151.16

OVERVOLTAGE PROTECTORS

6647-PS	IOVP12	Adjustable overvoltage protector for ALL Case sizes Smaller than "D"	.2 lbs	\$11.96	\$11.33
6648-PS	IOVP24	Adjustable overvoltage protector for ALL "E", "F", & "G" Case Sizes	.4 lbs	\$20.70	\$19.61



CASE	LEN.	WIDTH	THICK	WEIGHT	CASE	LEN.	WIDTH	THICK	WEIGHT	CASE	LEN.	WIDTH	THICK	WEIGHT
CC	9.38"	4.87"	3.20"	7	131	11.00"	4.87"	3.20"	9	BB	7.00"	4.87"	2.05"	9

MINI 0-30V/3A SUPPLY



P/N: 9615
Input: 110 VAC 60Hz
Output: 0-30VDC @ 0-3A Constant Voltage/Current
Specifications/Features: True Constant Current (Can drive a short). Enclosed Switching bench supply with backlit LCD display for output Volts & Amps. .01% +5mV Line /2%+5mV Load regulation, <200mV RMS max ripple. Front banana jacks. Internal fan. CE/RoHS
L: 6" W: 2-7/8" H: 6-3/4" WT: 3.2

STOCK #	DESC.	1EA
9615-PS	Mini 0-30V/3A Bench Supply	\$59.95

2.5-18VDC @ 2A BENCH SUPPLY WITH FIXED +5 & -/+12



MFG.: ELENCO
P/N: XP581
Input: 120VAC
Outputs: #1: 2.5-18V @ 1.5A(2Max) #2: +5VDC @ 3A #3: +12VDC @ 1A #4: -12VDC @ 1A Foldback current limit. Volt & Amp Meters, .05V Line/load reg. on fixed outputs; .4V on variable. 5mV ripple. Metal Case, Power Cord, Switch, & Binding Posts.
W: 9.3" H: 3.5" D: 8.3" WT: 10

STOCK #	DESC.	1EA	3EA
8775-PS	2.6-18V Output Elenco	\$124.95	\$115.95

UL/CSA LISTED 10A REGULATED 13.8VDC BENCHTOP SUPPLY



MFG: SAMLEX
Input: 110/120VAC 50-60Hz
Output: 13.8VDC @ 10A
Short Circuit & Overload Protected. With Metal Case, Power Cord, Line Fuse and Switch For Cellular Phones, Auto Accessories, Test Equipment. Binding post for output. UL/CSA listed
W: 9-1/2" H: 5" D: 9-3/4" WT: 15.3

STOCK #	DESC.	1EA	3EA
5825-PS	13.8V/10A UL Supply	\$99.95	\$89.95

THOUSANDS
more items on www.mpja.com

REGULATED 13.8V DC SUPPLY



MFG: MPJA
Input: 110 VAC 60Hz
Outputs: 13.8V @ 6A 8A Surge
Regulated, Fixed output bench supply, Metal Case, Power Cord, Line Fuse and Switch. For Cellular Phones, Auto Accessories, Test Equipment. Front Binding Posts. Does not have short circuit protection.
W: 6" H: 4-1/2" D: 11-1/4" WT: 5.6

STOCK #	DESC.	1EA	4EA
9323-PS	13.8V@6A Bench Supply	\$39.95	\$36.95

SELECTABLE OUTPUT SUPPLY



P/N: 9902-PS
Input: 90-250VAC 60Hz
Outputs: 3,4,5, 6, 7,5,9,12VDC @ 2000mA Selectable
Specifications/Features: Enclosed, Benchtop regulated, switching supply. Switch selectable output. Front panel Power switch, Select switch & Binding posts. 6ft. 2 wire input power cord with 2 blade plug.
L: 6-1/2" W: 3-7/8" H: 2-1/4" WT: 1.1

STOCK #	DESC.	1EA	5EA
9902-PS	Multi Output Supply	\$19.95	\$17.95

1KVA LINE STABILIZER



P/N: ATVR-1000
Input: 80-140/180-240VAC 50-60Hz
Output: 110V & 220V AC1KVA+-4%
Specifications/Features: Micro processor controlled, Benchtop autoregulator for AC line. Automatically compensates for input line voltage variations. Front panel analog meters & power switch, input voltage switch. 110 & 220 AC sockets, fuse, & cord on back. Ideal for testing 110 & 220 equipment. 6ft AC line cord input
W: 9-1/2" H: 7-1/4" W: 5-1/2" WT: 15.1

STOCK #	DESC.	1EA	5+EA
14834-PS	1KVA Stabilizer	\$62.95	\$56.95

DIN RAIL POWER SUPPLIES

MFG: HENGFU
P/N: HF150-SDR Series
Input: 85-132VAC 50/60Hz
Output: 150W See Below
Specifications/Features:
Compact supply mounts on TS35/7.5 or /15 DIN rails
0.5% line/load reg. 120/150mV Ripple/noise. Over Voltage/Current/Short circuit protected, LED Power out indicator. Built-in EMI Filter. CE listed



W: 4-1/4"H: 4-1/4" D: 3-3/8" WT: 1.6

STOCK #	DESC.	1EA
17895-PS	12V/12.5A DIN Supply	\$49.95
17896-PS	24V/6.3A DIN Supply	\$49.95
17897-PS	48V/3.1A DIN Supply	\$49.95

DUAL OUTPUT SUPPLIES

MFG: HENGFU
P/N: HF100W-DF series (See Below)
Input: 85-132/170-264VAC 50/60Hz. (Switch Select)
Output: See below
Specifications/Features: 100W, Enclosed regulated switching supply with Floating outputs. Line Reg: 0.5% Load Reg: 0.5% on 5V; 3% on #2. Over Voltage & Current protected. LED output indicator. Terminal strip In/Out. CE listed.



L: 7-7/8" W: 3.7/8" H: 1-5/8" WT: 1.6

STOCK #	SERIES	OUTPUT #1	#2	1EA
18111-PS	DF-A	5V/10A	12V/4A	\$39.95
18112-PS	DF-B	5V/15A	15V/2A	\$39.95
18113-PS	DF-C	5V/15A	24V/1A	\$39.95

INDUSTRIAL 15W SUPPLIES

MFG: HENGFU
Input: 85-264VAC 47-63Hz
Output: see chart
Specifications/Features:
Open Frame regulated switching supply. Over Voltage & Current protected. LED output indicator. Header In/Out. UL/US/CANADA/CE listed



L: 4.0" W: 1.82" H: 1.0" Wt: .2lb

STOCK #	OUTPUT	PART #	1EA
18438-PS	5V/3A	HF15W-SPL-5	\$15.99
18439-PS	12V/1.3A	HF15W-SPL-12	\$15.99
18440-PS	24V/0.6A	HF15W-SPL-24	\$15.99
18441-PS	48V/0.3A	HF15W-SPL-48	\$15.99

INDUSTRIAL 25W SUPPLIES

MFG: HENGFU
Input: 85-264VAC 47-63Hz
Output: see chart
Specifications/Features:
Open Frame regulated switching supply. Over Voltage & Current protected. LED output indicator. Header In/Out. CE listed

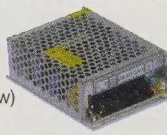


L: 4.0" W: 1.82" H: 1.0" Wt: .2lb

STOCK #	OUTPUT	PART #	1EA
18442-PS	5V/5A	HF25W-SPL-5	\$15.95
18443-PS	12V/2.1A	HF25W-SPL-12	\$15.95
18444-PS	24V/1.1A	HF25W-SPL-24	\$15.95
18445-PS	48V/0.5A	HF25W-SPL-48	\$15.95

POWER SUPPLIES/CHARGER

MFG: HENGFU
P/N: HF20W-SB series (See Below)
Input: 85-264VAC 50/60Hz.
Output: See below
Specifications/Features: 20W, Enclosed regulated switching supply with Charger for Lead Acid or Lithium battery. Auto switch to battery upon AC fail (UPS). Over Voltage, Current & Low Battery protected. LED output indicator. Terminal strip In/Out. CE listed.

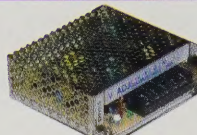


L: 4-3/8" W: 3-1/8" H: 1-1/2" WT: .6

STOCK #	SERIES	OUTPUT #1	CHARGER	1EA
18116-PS	SB-12	12V/1.5A	13.8V/0.5A	\$19.95
18117-PS	SB-24	24V/0.7A	27.1V/0.2A	\$19.95

5VDC/5A SUPPLY

MFG: METAPO
Input: 100-240VAC 50/60Hz
Output: 5V@5A
Specifications/Features:
Enclosed regulated switching supply. Over Voltage & Current protected. LED output indicator. Terminal strip In/Out. UL/US/canada/TUV/CE listed.

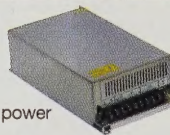


25W: L: 3.9" W: 3.82" H: 1.4" WT: .8

STOCK #	DESC.	1EA	40EA
17431-PS	5V/5A 25W Supply	\$12.95	\$11.95

300W POWER SUPPLIES

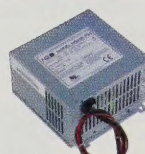
High reliability, Enclosed, Switching power supplies.
• Overvoltage, Overcurrent, Short Circuit Protected
• 100% Full Load Burn-in Tested--Full rated to 50°C
• No minimum load
Input: 90-130 VAC Input 50/60Hz
Output: See below
L: 9.5" W: 4.9" H: 2.6" WT: 3



STOCK #	DESC.	1EA	10EA
16486-PS	5V/60A Power Supply	\$97.00	\$88.50
16487-PS	9V/33A Power Supply	\$97.00	\$88.50
16488-PS	12V/25A Power Supply	\$97.00	\$88.50
16489-PS	24V/12.5A Power Supply	\$97.00	\$88.50
16490-PS	36V/8.5A Power Supply	\$97.00	\$88.50

25V, 10A SUPPLY

MFG: HIGH PERFECTION TECH.
P/N: HS250-PS1
Input: 115/230VAC 50/60Hz
Output: 25VDC @ 10A
Specifications/Features: ATX form factor switching supply. Standard IEC input and output power connectors on back. Single 2 X 6 (12) socket output connector.
Pin 1: +25V(Red) Pin 2: Turn On(Gray) Pin 3: Common
Pin 4: +25V(Red) Pin 5: Common(Blk) Pin 6: Common
SUPPLY MUST HAVE LOAD TO OPERATE
Connect "Power On" (Gray) to Common(Black) to activate
W: 5-15/16" L: 4-3/4" H: 3-3/8" WT: 3.8



STOCK #	DESC.	1EA
18960-PS	25VDC/10A HPT Supply	\$19.95

5V & 12V & 3.3V SUPPLY

MFG: PowDec
P/N: UPN65-31
Input: 115/230VAC 50/60Hz
Outputs: #1: +5VDC @ 10A
#2: +3.3VDC @ 10A #3: +12VDC @ 1A
Specifications/Features: Max. output 65W, Open frame switching supply. 3.0% Load Regulation (Vout 1 & 2/10% V3), Current Limit. Reg. minimum load, Rated to 70 Deg. "C". UL/canada/usa/TUV/CE listed.

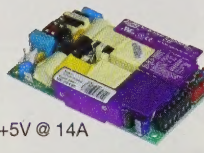


L: 5" W: 3" H: 1-3/8" WT: .8

STOCK #	DESC.	1EA
18847-PS	PowDec 3 Output Supply	\$4.95

3 OUTPUT SUPPLY

MFG: EOS
P/N: VLT130-3100-S2
Input: 90-263 VAC 47-63Hz
Output #1: +3.3V @ 16A #2: +5V @ 14A
#3: +12V @ 1.5A
Specifications/Features: Requires 32CFM cooling. Power Fail output, Remote Sense on #1 & 2 Outputs, Current share for paralleling (#1 & #2) Over current protection. Header Pins AC Input, Terminal Strip Outputs, Header for Share & remote Sense connections. UL/canada/usa/VDE/CE Listed.

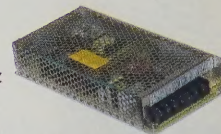


L: 5" W: 3" T: 1" WT: .6

STOCK #	DESC.	1EA	50EA
18090-PS	3 Output EOS Supply	\$10.95	\$9.95

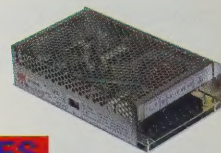
INDUSTRIAL SUPPLIES

MFG: MEANWELL
Input: 120/240VAC 50/60Hz (Switch Select)
Output: see chart
Specifications/Features:
Enclosed regulated switching supply. Over Voltage & Current protected. LED output indicator. Terminal strip In/Out. UL/US/CANADA/CSA/US/CANADA/CE/TUV listed



100W SUPPLIES

L: 7.83"	W: 3.85"	H: 1.5"	WT: 1.5
STOCK #	OUTPUT	M/W PART #	NOISE 1EA
17823-PS	5V/20A	S-100F-5	100mV \$34.95
17824-PS	12V/8.5A	S-100F-12	125mV \$34.95
17825-PS	24V/4.5A	S-100F-24	150mV \$34.95
17826-PS	48V/2.2A	S-100F-48	150mV \$34.95

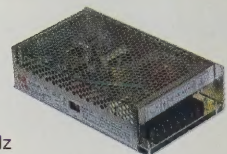


150W SUPPLIES

L: 7.83"	W: 4.33"	H: 1.97"	WT: 1.8
STOCK #	OUTPUT	M/W PART #	NOISE 1EA
17827-PS	5V/30A	S-150-5	150mV \$44.95
17828-PS	12V/12.5A	S-150-12	180mV \$44.95
17830-PS	48V/3.2A	S-150-48	240mV \$44.95

9V @ 16.7A SUPPLY

MFG: MEANWELL
P/N: S-150-9
Input: 120/240VAC 50/60Hz
Output: 9VDC @ 16.7A
Specifications/Features:
Enclosed regulated switching supply. Over Voltage & Current protected. LED output indicator. Terminal strip In/Out. UL/US/canada/CE listed.

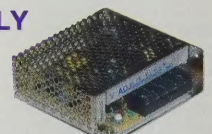


L: 7-7/8" W: 4-3/8" H: 2" WT: 1.72

STOCK #	DESC.	1EA
18367-PS	9V/16.7A Meanwell Supply	\$35.00

24V @ 1.1A SUPPLY

MFG: MEANWELL
P/N: S-25-24
Input: 120-240VAC 50/60Hz
Output: 24VDC @ 1.1A
Specifications/Features:
Enclosed regulated switching supply. Over Voltage & Current protected. 100mV max Ripple & Noise. LED output indicator. Terminal strip In/Out. UL/CE/TUV listed.



L: 3.9" W: 3.82" H: 1.42" WT: .81

STOCK #	DESC.	1EA
17720-PS	24V/1.1A Meanwell Supply	\$18.95

12V/5.1A, SUPPLY

MFG: MULTICOMP
P/N: SPC11481
Input: 100/120/215/230-240VAC 47-63Hz
Output: 12VDC @ 5.1A Max.
Specifications/Features:
Open frame linear supply. +/-0.05% Line /0.05% Load Regulation (50% change), Foldback Current Limit, Remote Sense, No minimum load, Rated to 50 Deg. "C" UL/canada/CSA/TUV/CE listed.



L: 7" W: 4-7/8" H: 3-1/2" WT: 7.1

STOCK #	DESC.	1EA
18425-PS	Multicomp 12V/5.1 A Supply	\$75.95

28VDC@10.8A SUPPLY

MFG: NAO
P/N: PJSP-300-1028
Input: 100-240 VAC 50/60Hz
Output: 28VDC @ 10.8A

Specifications/Features:
Output rated with 34CFM air flow
Power Factor corrected, Open frame switching supply with current limit & Temperature protection. 1% line/load reg. Molex connectors for input & Output (Pins & Housings Supplied), UL/usa/canada/CE listed.
L: 7-3/4" W: 5-1/4" H: 1-3/4" WT: 2.8

STOCK #	DESC.	1EA
18927-PS	28V@10.8A Supply	\$29.95

28VDC/2A SUPPLY

MFG: CONDOR
P/N: GPM55-28
Input: 100-240VAC 47-63Hz
Output: 28VDC@ 2A

Specifications/Features: Open switching supply. Over voltage/current protected, 2% Line/Load Regulation, 280mV Noise. Header pins In/Out. UL/CSA/VDE Listed.
L: 6-1/4" W: 4" H: 1-3/4" WT: 1.3

STOCK #	DESC.	1EA	10EA
17186-PS	28V @ 2A Condor	\$14.95	\$12.95

24V/2A, SUPPLY

MFG: MULTICOMP
P/N: MC13584
Input: 115/240VAC 50/60Hz
Output: 24VDC @ 2A Max.

Specifications/Features: Max. output 40W, Open frame switching supply. +/- .5% Line / .0% Load Regulation, Current Limit. No minimum load, Rated to 70 Deg. "C". UL/canada/usa/TUV/CE listed.
L: 5" W: 3" H: 1-3/16" WT: .5

STOCK #	DESC.	1EA
18420-PS	Multicomp 24V/2 A Supply	\$12.95

+5V & 12V SUPPLY

MFG: ARTESYN
P/N: NFN40-7607
Input: 100-240 VAC 47-440Hz

Outputs: #1: +5V @ 3A #2: +12V @ 2A #3: -5V @ .35A
Specifications/Features: Open switching supply. .2% Line/2% Load Reg +5V, 5% others. Over current protected. Header pins In/Out. UL/CSA/VDE listed
L: 5" W: 3" H: 1-1/4" WT: .7

STOCK #	DESC.	1EA
17721-PS	+ & -5V & +12V Supply	\$5.95

+5V/4A, +12V/1A POWER SUPPLY

MFG: FORTRON/SOURCE
P/N: SLD20W
Input: 120VAC 47-63Hz
Outputs: #1: +5V @ 4A #2: +12V @ .1A

Specifications/Features:
Open frame linear supply, .250 quick connect terminals for AC input, Header pins for output.
L: 4-7/8" W: 4" T: 2-1/2" WT: 3

STOCK #	DESC.	1EA	20+EA
15347-PS	+5V & +12V Supply	\$10.95	\$9.95

5V/12A POWER SUPPLY

MFG: SPC TECH.
P/N: SPC11486
Input: 100/120/220-240VAC 47-63Hz
Output: 5V @ 12A

Specifications/Features:
Open frame linear supply, UL/CSA/TUV/CE listed +/- .05% Regulation, Full rated to 50°C, Foldback Current Limit, no minimum load, Remote Sense, UL/CSA/TUV/CE listed.
L: 9" W: 4-15/16" T: 3-1/4" WT: 7.8

STOCK #	DESC.	1EA
17638-PS	5V@10A Power Supply	\$24.95

+5V, +/-12VDC SUPPLY

MFG: POWER-ONE
P/N: MAP140-3000P
Input: 100-240VAC 50/60Hz
Outputs: #1: +5.1V @ 20A #2: +12V @ 4A #3: -12V @ 1A
Specifications/Features: 140W max @ 200LFM airflow Open frame, regulated switching supply. Over current protection. Header pins in & out. UL/CSA/TUV listed.
L: 7" W: 4-1/4" H: 2" WT: 1.6

STOCK #	DESC.	1EA	10+EA
18835-PS	3 Output Power-One	\$24.95	\$22.95

58V @ 1A SUPPLY

MFG: VOLGEN
P/N: SP50U-58S
Input: 100-230 VAC 50/60Hz
Output: 58V @ 1.0A

Specifications/Features: Enclosed switching supply. .5% line, 1% load reg. 1% P/ P noise/Ripple. Over load and over voltage protected. Screw terminals. UL/CANADA/USA/CE listed.
L: 7" W: 3-1/2" H: 1-1/4" WT: 1

STOCK #	DESC.	1EA	10+EA
15814-PS	58V/1A Volgen Supply	\$19.95	\$18.95

24V/7.2A SUPPLY

MFG: MULTICOMP
P/N: SPC11478
Input: 100/120/215/230-240VAC 47-63Hz
Output: 24VDC @ 7.2A Max.

Specifications/Features:
Open frame linear supply. +/- .05% Line / .05% Load Regulation (50% change), Overvoltage & Foldback Current Limit, Remote Sense, No minimum load, Rated to 50 Deg. "C" UL/canada/CSA/TUV/CE listed.
L: 14" W: 4-7/8" H: 3-1/2" WT: 12

STOCK #	DESC.	1EA
18424-PS	Multicomp 24V/7.2 A Supply	\$89.95

12V/4A DC BRUTE SUPPLY

Input: 115VAC 60Hz
Output: 12VDC @ 4A
Specifications/Features: Unregulated DC supply designed for use in custom equipment. Open supply has attached 2 wire line cord with in line panel mount switch. 4in. output wires with socket pin housing.
L: 4-7/8" W: 2-1/2" HT: 2-1/4" WT: 2.5

STOCK #	DESC.	1EA
17636-PS	12V/4A Brute Supply	\$7.95

24V/8.4A SUPPLY

MFG: MULTICOMP
P/N: MC13592
Input: 115/240VAC 50/60Hz
Output: 24VDC @ 8.4A Max.
Specifications/Features: Max. output 200W with 24CFM Airflow. Open frame switching supply. +/- .5% Line / 2.0% Load Regulation, Current Limit, Remote Sense, Fan connector. No minimum load, Rated to 70 Deg. "C". UL/canada/usa/TUV/CE listed. W: 5" H: 2-9/16" WT: 2.7

STOCK #	DESC.	1EA
18423-PS	Multicomp 24V/8.4 A Supply	\$99.95

9V/2.2A SUPPLY

MFG: AULT
MODEL: SUBVM1020B09
Input: 120VAC 60Hz
Output: 9VDC @ 20W (2.2A)
Specifications/Features: Regulated board supply. Subassembly for desk-top supply. No mounting frame or input/output terminals. Wires or terminals must be soldered to board.
L: 3-9/16" W: 2-5/16" T: 1-3/8" WT: .5

STOCK #	DESC.	1EA
17630-PS	9VDC/20W Sub Supply	\$2.95

24V @ 1A SUPPLY

MFG: POWER-ONE
P/N: SP612
Input: 115/230 VAC 50/60Hz
Output: 24VDC @ 1A

Specifications/Features: Switching supply with over-voltage & current limit protection. 6" wire input leads. 4in. output leads with header socket. UL/CSA/TUV listed.
L: 5" W: 3" T: 1-1/2" WT: .55

STOCK #	DESC.	1EA	12+EA
18289-PS	24V @1A Power-1 Supply	\$9.95	\$8.95

12V@17A SUPPLY

MFG: PHIHONG
P/N: PSM204-120 (AC)
Input: -100-240VAC 50/60Hz.
Output: 12V @ 17A

Specifications/Features: Max. output 204W with 36CFM Airflow. P.C. board switching supply. 1% line Reg./5% load Reg. 200mV/P noise/ripple. Header pins for input power, 6in. cable with single 2 X7 (14) pin output/ control connector. UL/us/canada/TUV/CE Listed.
L: 7-3/4" W: 4" H: 1-1/4" WT: 1.3

STOCK #	DESC.	1EA	25+EA
18091-PS	12V@17A Power Supply	\$14.95	\$12.95

+5V & +12VSUPPLY

MFG: PHIHONG for CISCO
P/N: PSM66-201/ 34-0963-01
Input: 100-240 VAC 50/60Hz
Outputs: #1: +5V @ 9A #2: +12V @ 0.3A

Specifications/Features: 48W Max
Open frame, regulated switching supply originally for Switch/Router. Over current protection. Header pins in. 12 position header connector on 5in. Leads for output. UL/canada/usa/TUV listed
L: 5" W: 3" D: 1-1/4" WT: .9

STOCK #	DESC.	1EA	40+EA
18465-PS	+5 & +12V Cisco Supply	\$10.95	\$9.95

5V/9A SUPPLY

MFG: MULTICOMP
P/N: SPC11485
Input: 100/120/215/230-240VAC 47-63Hz
Output: 5VDC @ 9A Max.

Specifications/Features:
Open frame linear supply. +/- .05% Line / .05% Load Regulation (50% change), Overvoltage & Foldback Current Limit, Remote Sense, No minimum load, Rated to 50 Deg. "C" UL/canada/CSA/TUV/CE listed.
L: 7" W: 4-7/8" H: 3-1/2" WT: 7

STOCK #	DESC.	1EA
18426-PS	Multicomp 5V/9 A Supply	\$49.95

12V/2A, SUPPLY

MFG: APS/HITRON
P/N: APS19V1-11(L-B)
Input: 115/240VAC 47/63Hz
Output: 12VDC @ 2A Max.

Specifications/Features: Max. output 25W, Open frame switching supply. +/- .1% Line / 2.0% Load Regulation at 20% minimum load. Over Voltage & Current Limit. Rated to 50 Deg. "C". UL/canada/usa/TUV/CE listed.
L: 4-3/8" W: 2-3/8" H: 1-1/2" WT: .5

STOCK #	DESC.	1EA
18595-PS	APS/Hitron 12V/2A Supply	\$3.95

12V @ 3.5A POWER SUPPLY

MFG: ILAN
P/N: F1651
Input: 100-240VAC 50/60 Hz
Output: 12VDC @ 3.5A

Specifications/Features: Open frame switching supply. Over Voltage & Current protected. Header pins In/Out. UL/canada Listed.
L: 5" W: 3" H: 1-1/8" WT: .4

STOCK #	DESC.	1EA	20+EA
16741-PS	12V Ilan Power Supply	\$6.95	\$5.95

6 OUTPUT SUPPLY

MFG: POWER-ONE
P/N: SP647

Input: 85-250VAC 50/60Hz.

Outputs: #1: +3.3V @ 30A #2: +5V @ 15A

#3: +12V @ 3A #4: +5V @ 1A

#5: -12V @ 1A #6: -12V @ 3A

MAX V1+V2 current: 40A
150W Max. output with 300 LFM air flow

Specifications/Features: Power Factor corrected "U" frame switching supply similar to MPU150 series. 1.5% Reg on 3.3V Output, 1% Reg. on 5V Output, 7% Reg. on all others. UL/CSA/TUV/CE Listed, Remote sense on V1 & V2

I/O connectors

Input: Molex 41695 series

Output V1 & 2: Terminal strip

Other Outputs: Molex 41695 series

Control: Molex 5264-N

L: 9-1/2" W: 4-1/4" H: 1-1/2" WT: 2.7

STOCK #	DESC.	1EA	5+EA
17847-PS	6 Output Power-1	\$34.95	\$29.95

130W 1U SUPPLY

MFG: DELTA for SUN
P/N: DPS-129AB A/300-1448

STYLE: CUSTOM 1U

Input: 100-240 VAC 47-63Hz

Output #1: +3.3V @ 10A #2: +5V @ 15A

#3: +12V @ 6A #4: -12V @ .4A #5: +5VDCSB @ .25A

Specifications/Features: 75W Max combined +5V & +3.3V, 1U switching supply for Sun Netra[®] equipment. Power ON/STANDBY switch & standard IEC input power connector on back. Single 2X7 mother board connector (+3.3V/+5V/Com.), Two 4 (2 X 2) pin mini connectors (+5V/+12V/Com) & one 1 X 17 Pin control connector. UL/Canada/USA/TUV/CE listed.

L: 10" W: 4-3/8" H: 1-9/16" WT: 2.9

STOCK #	DESC.	1EA
17602-PS	125W 1U Sun Power Supply	\$12.95

200W COMPUTER SUPPLY

MFG: SKYNET

P/N: SNP-920-1S

STYLE: Custom

Input: 115/230 VAC 50/60Hz

Output #1: +5V @ 20A

#2: +12V @ 7.5A #3: -12V @ .3A

Specifications/Features: Custom computer style switching supply for industrial use. Mounted on steel bracket, External mounted Circuit Breaker and Wire harness. Non standard output connectors.

1 15Pin AMP female connector for +5/+12/-12/Return.

2 2Pin AMP female connector for +12VDC

1 2Pin AMP Male connector for ???

UL/CSA listed. Limited Data

L: 9-1/4" W: 6" H: 5" WT: 4.2

STOCK #	DESC.	1EA
18492-PS	200W Skynet Supply	\$16.95

400W ATX/SATA

MFG: A-POWER

STYLE: AGS400-1

Input: 115/230 VAC 50/60Hz

Output #1: +3.3V @ 26A

#2: +5V @ 35A #3: +5VDCSB @ 2A

#4: +12V @ 12A #5: +12V @ 20A #6: -12V @ .5A

Specifications/Features: 400W Max Combined Output. Rear fan, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range & power switch on back. Single 2 X 10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 3 SATA drive connectors, 3 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE, FCC Listed. ROHS Compliant.

W: 5-7/8" D: 5-3/4" H: 3-3/8" WT: 2.18

STOCK #	DESC.	1EA
18413-PS	400W A-Power ATX Supply	\$24.95

400W COMPUTER SUPPLY

MFG: ASTEC

P/N: AE400-4402

STYLE: AT Server

Input: 115/230 VAC 50/60Hz

Output #1: +5V @ 46A

#2: +12V @ 13A #3: -12V @ 1A #4: -5VDC @ .5A

Specifications/Features: Front fan, Custom ATtype switching supply. Standard IEC input power connector with monitor power connector on back. Standard "P-1 (P-8) & P-2 (P-9) mother board connector, 2 Aux +5V & Ground 6 pin connector, 3 molex 4 pin IDE connectors. Additional 12 Pin (3X4) connector mounted on back for +5V, Ground & +12V. UL/CSA/VDE.

L: 9-3/4" W: 7-1/4" H: 5" WT: 9

STOCK #	DESC.	1EA
18348-PS	400W ASTEC Supply	\$16.95

200W ATX SUPPLY

MFG: ASTEC

P/N: SA202-3530

STYLE: ATX-1.1(20pin)

Input: 110/220 VAC 50-60Hz

Output #1: +3.3V @ 14A #2: +5V @ 22A #3: -5V @ .5A

#4: +12V @ 8A #5: -12V @ .8A #6: +5VDCSB @ .2A

(23A Max combined +5 and +3.3V) ATX form factor 200W switching supply for replacement in P.C. & Machine tool systems. IEC input power connector & IEC Monitor power connector on back (NO POWER SWITCH). Single 2 X 10 (20) pin mother board connector, 4 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. Fan on Back. UL/CSA/VDE listed.

L: 5-5/8" W: 5-7/8" H: 3-3/8" WT: 2.7

STOCK #	DESC.	1EA
17986-PS	200W ATX Power Supply	\$9.95

260W COMPAQ SUPPLY

MFG: COMPAQ

P/N: 270647-001

STYLE: ATX-1.1(20pin)

Input: 110/220 VAC 50-60Hz

Output #1: +3.5V @ 10A #2: +5V @ 32A #3: -5V @ .15A

#4: +12V @ 7A #5: -12V @ .15A #6: +5VDCSB @ 1.2A

(170W Max combined +5 and +3.5V) ATX form factor 260W switching supply for replacement in Compaq systems. IEC input power connector on back (NO POWER SWITCH). Single 2 X 10 (20) pin mother board connector, 4 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. Fan on Back. UL/TUV listed.

W: 6-1/2" L: 7" H: 3-7/8" WT: 2.7

STOCK #	DESC.	1EA
18078-PS	260W ATX Compaq Supply	\$19.95

450W ATX/SATA

MFG: A-POWER

STYLE: AGS450

Input: 115/230 VAC 50/60Hz

Output #1: +3.3V @ 18A

#2: +5V @ 30A #3: +5VDCSB @ 2A

#4: +12V @ 12A #5: +12V @ .6A #6: -12V @ .5A

Specifications/Features: 450W Max Combined Output. Bottom & Rear fans, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range & power switch on back. Single 2 X 10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 3 SATA drive connectors, 4 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE, FCC Listed. ROHS Compliant.

W: 5-7/8" D: 5-3/4" H: 3-3/8" WT: 2.3

STOCK #	DESC.	1EA
18414-PS	450W A-Power ATX Supply	\$26.95



350W MICRO ATX SUPPLY

MFG: A POWER

P/N: AGS350M

STYLE: MICROATX

Input: 115/230 VAC 50/60Hz

Output #1: +3.3V @ 14A #2: +5V @ 14A

#3: +12V @ 18A #3: -12V @ .6A #4: +5VSBDC @ 2A

Specifications/Features: Standard IEC input power connector on back. Single 2 X 10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU Core connector, 1 PCIe 8 pin connector, 2 SATA drive connectors, 3 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. Bottom fan. CE Listed RoHS Compliant.

W: 4-7/8" D: 4" H: 2-1/2" WT: 2

STOCK #	DESC.	1EA
18412-PS	350W MicroATX Supply	\$22.95

150W ATX SUPPLY

MFG: SEVENTEAM

P/N: ST-150MH

STYLE: ATX1.X 20Pin

Input: 110/220 VAC 50-60Hz

Output #1: +3.3V @ 6A

#2: +5V @ 12A #3: +12V @ 5A

#4: -12V @ .1A #5: -5V @ .1A #6: +5VSB @ 1.5A

Specifications/Features: 80W Max. combined +3.3 & 5V outputs. Mini ATX form factor 150W switching supply for P.C. systems. IEC input power connector, voltage range switch & Power switch on back. Standard 2X10 (20 Pin) mother board connector, 4 molex 4 pin IDE connectors & 2 mini 4 pin for FDD etc. UL/CSA/CE listed.

L: 5-1/4" W: 3-7/8" H: 2-1/2" WT: 2.2

STOCK #	DESC.	1EA
18034-PS	150W Mini ATX Supply	\$5.95

250+250W ATX REDUNDANT SUPPLY

STYLE: ATX1.3 (20pin)

MFG: ETASIS

P/N: EPR-2251-6B112

Input: 110/220 VAC 50-60Hz

Output #1: +3.3V @ 15A

#2: +5V @ 30A #3: -5V @ .5A

#4: +12V @ 14A #5: -12V @ 1A

#6: +5VDCSB @ 1.5A

Specifications/Features: 2X250W redundant, hot swap supply. 230W Max combined +5 & +3.3V output. ATX form factor 250W switching supply for P.C. systems/ servers. Standard IEC input power connector, alarm silence switch & power switch on back. Single 2X10 mother board connector & 6 molex 4 pin connectors & 1 mini 4 pin for drives etc. Remote "Power" Green LED, Supply 1 & 2 fail Amber LEDs, "Fault" output signal leads and Remote Silence leads for remote switch all with 20+ in leads. UL/TUV/CE listed.

W: 5-7/8" D: 7-1/2" H: 3-3/8" WT: 7.5

STOCK #	DESC.	1EA
17094-PS	250W X 2 ATX Supply	\$29.95
17106-PS	Spare Hot Swap 250W Module	\$8.95

450W ATX SUPPLY

Output #1: +3.3V @ 28A

#2: +5V @ 34A #3: +5VDCSB @ 2A

#4: +12V @ 14A #5: -12V @ .8A

(450W Max combined output)

Specifications/Features: ATX form factor switching supply. Replacement or new build. Power Switch, Input range switch & Standard IEC input power connector on back. Single 2 X 10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed,

1 Aux +12V 4 pin CPU connector,

1 SATA drive connector,

3 molex 4 pin IDE connectors,

1 mini 4 pin for FDD. Back fan. CE listed.

W: 5-7/8" D: 5-5/8" H: 3-3/8" WT: 2.2

STOCK #	DESC.	1EA
18284-PS	450W ECHO-STAR Supply	\$22.95

400W ATX/SATA



MFG: GEN-MAX
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 22A
#2: +5V @ 28A #3: +5VDCSB @ 2A
#4: +12V @ 14A #5: -12V @ .6A #6: -5V @ .6A
Specifications/Features: Rear fan, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range switch on back (NO Power Switch). Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 SATA drive connector, 3 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE Listed

W: 5-7/8" D: 5-3/4" H: 3-3/8" WT: 1.95

STOCK #	DESC.	1EA
17981-PS	400W Gen-Max ATX Supply	\$22.95

450W ATX/SATA

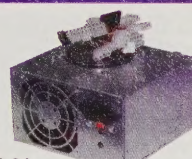


MFG: BLUE STAR
P/N: BL-450-24
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 28A
#2: +5V @ 34A #3: +5VDCSB @ 2A #4: +12V @ 14A
#5: -12V @ .8A
Specifications/Features: Rear fan, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range & power switches on back. Single 2 X10 (20) pin with a "Side by Side" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 SATA drive connector, 4 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE FCC, CB Listed

W: 5-7/8" D: 5-3/4" H: 3-3/8" WT: 2.1

STOCK #	DESC.	1EA	10EA
17978-PS	450W BlueStar Supply	\$24.95	\$22.95

450W ATX/SATA

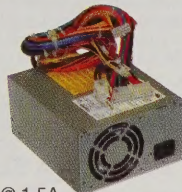


MFG: GEN-MAX
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 28A
#2: +5V @ 34A #3: +5VDCSB @ 2A
#4: +12V @ 15A #5: -12V @ .6A #6: -5V @ .6A
Specifications/Features: Top & Rear fans, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range switch on back (NO Power Switch). Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 SATA drive connector, 6 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE Listed

W: 5-7/8" D: 5-7/8" H: 3-1/2" WT: 2.2

STOCK #	DESC.	1EA
17982-PS	450W Gen-Max ATX Supply	\$24.95

465W SERVER SUPPLY

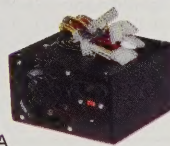


MFG: NMB
MODEL: PG465-20ASV01110
P/N: Sun XR004A465WSW
STYLE: SSI
Input: 100-240 VAC 47-63Hz
Output #1: +3.3V @ 35A
#2: +5V @ 18A #3: +5VDCSB @ 1.5A
#4: +12V @ 24A #5: -12V @ .5A
(200W Max combined +5V & 3.3V output)
Specifications/Features: SSI form factor switching supply for SUN-MICRO Server. Standard IEC input power connector on back. Single 2 X12 (24) pin mother board connector. Aux 2 X 5 (10) pin +5 & +12V connector, a 3 X 2 (6) pin +12V molex connector, 1 molex 4 pin IDE connector & a 2 X 2 (4) pin +5 & +12V connector. Back fan. UL/canada/usa/TUV/CE listed.

W: 6" D: 7-1/8" H: 3-7/16" WT: 6

STOCK #	DESC.	1EA
17512-PS	465W Server Supply	\$14.95

480W ATX/SATA/PCI

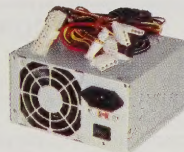


MFG: GEN-MAX
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 32A
#2: +5V @ 36A #3: +5VDCSB @ 2A
#4: +12V @ 16A #5: -12V @ .6A #6: -5V @ .6A
Specifications/Features: Top & Rear fans, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range switch on back (NO Power Switch). Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 PCIe 6 pin Connector, 1 SATA drive connector, 6 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE Listed

W: 5-7/8" D: 5-7/8" H: 3-1/2" WT: 2.5

STOCK #	DESC.	1EA
17983-PS	480W Gen-Max ATX Supply	\$26.95

600W ATX/SATA/PCI



MFG: A-POWER
P/N: APVA600
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 25A
#2: +5V @ 42A #3: +5VDCSB @ 2.5A #4: +12V @ 27A
#5: -12V @ .5A
Specifications/Features: Top & Rear fans, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range & power switches on back. Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 PCIe 6 pin Connector, 2 SATA drive connectors, 6 molex 4 pin IDE connectors, 1 mini 4 pin for FDD

W: 5-7/8" D: 6" H: 3-1/4" WT: 2.8

STOCK #	DESC.	1EA
17975-PS	600W A-Power ATX Supply	\$32.95

550W ATX/SATA



MFG: A-POWER
STYLE: AGS550
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 22A
#2: +5V @ 32A #3: +5VDCSB @ 2A
#4: +12V @ 24A #5: +12V @ .6A #6: -12V @ .5A
Specifications/Features: 550W Max Combined Output. Bottom & Rear fans, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range & power switch on back. Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 4 SATA drive connectors, 4 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE, FCC Listed. ROHS Compliant.

W: 5-7/8" D: 5-3/4" H: 3-3/8" WT: 2.5

STOCK #	DESC.	1EA
18415-PS	550W A-Power ATX Supply	\$29.95

575W ATX/PCIe SATA SUPPLY

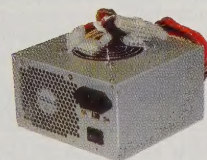


MFG: LOGISYS
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 38A
#2: +5V @ 40A #3: +5VDCSB @ 2A
#4: +12V @ 25A #5: -12V @ .8A
Specifications/Features: Dual fan, switching supply for P.C. systems. IEC input power connector, Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU Core connector, two 6 pin PCIe connectors, 1 SATA drive connectors, 6 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. Top & Back Fans. UL/CSA/TUV/CE listed.

W: 5-1/2" D: 5-3/4" H: 3-1/2" WT: 3.5

STOCK #	DESC.	1EA
17717-PS	575W ATX Logisys Supply	\$39.95

650W ATX/SATA

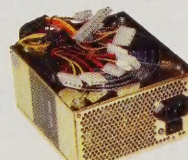


MFG: ECHO-STAR
P/N: ES-650-24
STYLE: ATX-20/24
Input: 115/230 VAC 50/60Hz
Output #1: +3.3V @ 45A
#2: +5V @ 42A #3: +5VDCSB @ 3A #4: +12V @ 22A
#5: -12V @ .8A
Specifications/Features: Top & Rear fans, ATX form factor switching supply. Replacement or new build. Standard IEC input power connector, range & power switches on back. Single 2 X10 (20) pin with a "Side by Side" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 SATA drive connector, 4 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. CE, CB Listed

W: 5-7/8" D: 6" H: 3-1/2" WT: 2.6

STOCK #	DESC.	1EA	10EA
17980-PS	650W ATX Supply	\$34.95	\$32.95

680W ATX SUPPLY/PCIe

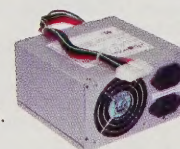


MFG: ECHO STAR
STYLE: ATX (20 +4pin)
Input: 115/230VAC 50/60Hz
Outputs: #1: +3.3V @ 35A
#2: +5V @ 50A #3: +12V @ 26A
#4: -5V @ 0.6A #5: -12V @ 1.0A #6: +5V SB @ 2.5A
Specifications/Features: Single Blue LED lighted fan, 680W switching supply for P.C. systems. IEC input power connector, Single 2 X10 (20) pin with a "slide together" 2 X 2 (4) pin connector to make a 24 pin mother board connector as needed, 1 Aux +12V 4 pin CPU core connector, 1 PCIe 6 pin connector, 2 SATA drive connectors, 6 molex 4 pin IDE connectors, 1 mini 4 pin for FDD. Single Blue lighted fan.

W: 6" D: 6-1/4" T: 3-1/4" WT: 2.9

STOCK #	DESC.	1EA
17715-PS	680W ATX Supply/PCIe	\$45.95

5V,25A SUPPLY



MFG: HIGH PERFECTION TECH.
P/N: HS250-PS2
Input: 115/230VAC 50/60Hz
Outputs: #1: +5VDC @ 25A #2: +5VSB @ .5A
Specifications/Features: ATX form factor switching supply. Standard IEC input and output power connectors on back. Single 2 X 10 (20) socket output motherboard connector.
Pins: 1,2,10,11,12,18: No Conn.
Pins: 3,5,7,13,15,16,17: Common (Black)
Pins: 4,6,19,20: +5V (Red)
Pin 8: "Power Good" (Orange)
Pin 9: +5VSB (Violet)
Pin 14: "Power On" (Green)
SUPPLY MUST HAVE LOAD TO OPERATE
Connect "Power On" (Green) to Common(Black) to activate supply

W: 5-15/16" L: 4-3/4" H: 3-3/8" WT: 3.7

STOCK #	DESC.	1EA
18962-PS	5VDC/25A HPT Supply	\$24.95

3.6V @ 2.2A SUPPLY

MFG: KETI
P/N: SA06-8S03R-V
Input: 100-240VAC 50-60Hz
Output: 3.6VDC @ 2.2A
Specifications/Features: Desktop switching supply with overvoltage & current limit protection. IEC input AC connector, 6ft output cord with 4/1.7mm coaxial plug Center +. LED power indicator. UL/canada/usa/TUV/CE RoHS listed. POWER CORD NOT INCLUDED.
ORDER POWER CORD: Stock # 7378 WI
L: 3-3/4" W: 2" T: 1-3/8" WT: .41



STOCK #	DESC.	1EA
18357-PS	3.6V @2.2A Supply	\$4.95

5V @ 2A SUPPLY

MFG: H/P
P/N: L2056-60001
Input: 100-240 VAC 50-60Hz
Output: 5VDC 2A
Specifications/Features: Switching desktop supply with overvoltage & current limit protection. Non-Polarized 2 wire IEC Type 2- input connector. 6ft output cord with 10mm long X 4mm/1.7mm ID coaxial plug Center +. UL/canada/usa/TUV/CE listed. POWER CORD NOT INCLUDED. ORDER CORD: Stock # 15447-CB
L: 3-5/8" W: 1-5/8" H: 1-1/8" WT: .28



STOCK #	DESC.	1EA	10+EA
18448-PS	5V @ 2A h/p Supply	\$8.95	\$7.95

5V @ 4A SUPPLY

MFG: OPENPEAK
P/n: OP 20004
Input: 90-132 VAC 60Hz
Output: 5VDC @ 4A
Specifications/Features: Switching plug supply with overvoltage & current limit protection. Non-Polarized 2 blade input. 6ft output cord with 10mm X 5.5/2.1mm ID Right Angle coaxial plug Center +. UL/canada/usa listed. RoHS compliant.
H: 3-3/8" W: 1-1/2" T: 2-1/4" WT: .3



STOCK #	DESC.	1EA
18520-PS	5V @ 4A Plug Supply	\$6.95

5V @ 500MA SUPPLY

MFG: SINO-AMERICAN
P/N: 217-03814
Input: 100-240 VAC 50/60Hz
Output: 5VDC @ 500mA
Specifications/Features: Switching desktop supply with overvoltage & current limit protection. Std. IEC input connector. 6ft output cord with 5.5 OD/2.1mm ID/10mm coaxial plug Center +. UL/CSA/VDE/CE listed. AC CORD NOT INCLUDED.
MATING POWER CORD: ORDER Stock # 7378-CB
L: 3-1/8" W: 1-7/8" T: 1-3/8" WT: .3



STOCK #	DESC.	1EA
18606-PS	5V/500mA Desktop Supply	\$1.95

5V @ 1A SUPPLY

MFG: PHIHONG
P/N: PSAA05A-050
Input: 100-240 VAC 50/60Hz
Output: 5VDC @ 1A
Specifications/Features: Switching plug supply with overvoltage & current limit protection. Non-Polarized 2 blade input. 6ft output cord with USB Mini-B Plug. UL/canada/usa listed.
L: 2-3/4" W: 1-1/8" D: 1-1/2" WT: .2



STOCK #	DESC.	1EA
18611-PS	5V @1A Plug Supply	\$4.95

5V @ 500MA SUPPLY

MFG: GPE
P/N: GPE032-050050-1
Input: 100-240 VAC 50/60Hz
Output: 5VDC @ .5A
Specifications/Features: Wall Plug supply with overvoltage & current limit protection. 5% Line/Load Regulation. Non-polarized 2 Blade input connector. 6ft output cord with 5.5 OD/2.1mm ID X12mm coaxial plug. Center +. UL/canada/usa listed.
L: 2" W: 1-5/8" H: 1-1/8" WT: .5



STOCK #	DESC.	1EA
18745-PS	5V @ 1/2 A Supply	\$1.95

9V @ 1A SUPPLY

MFG: KENWOOD
Input: 115 VAC 50/60Hz
Output: 9VDC @ 1A
Specifications/Features: Switching plug supply with overvoltage & current limit protection. Non-Polarized 2 blade input. 6ft output cord with 4.7/1.7mm ID coaxial right angle plug Center +. UL/canada/usa listed.
L: 2-7/8" W: 2" T: 1-1/4" WT: .23



STOCK #	DESC.	1EA
18254-PS	9V @1A Plug Supply	\$2.95

12V @ 5A SUPPLY

MFG: DSEC
P/N: CH1205
Input: 100-240 VAC 50/60Hz
Output: 12VDC @ 5A
Specifications/Features: Desktop switching supply with overvoltage & current limit protection. Polarized 3 wire IEC Class 1 Type C6 input connector. 4ft output cord with ferrite filter & 10mm X 5.5/2.5mm ID coaxial plug Center +. CE listed. POWER CORD INCLUDED.
L: 4-1/2" W: 2" H: 1-1/4" WT: .8



STOCK #	DESC.	1EA	50EA
18599-PS	12V @ 5A Supply	\$15.95	\$14.95

4 OUTPUT 12VDC SUPPLY

P/N: 264-2250-4
Input: 100-240 VAC 50/60Hz
Output: +12V @ 5A
Specifications/Features: Desktop Switching supply. Over current protection. Std. IEC input connector. 5ft. output cable with 4 12mm X 5.5/2.1mm coaxial connectors split off 18" from ends. UL/TUV/CE Listed. POWER CORD INCLUDED.
H: 4-5/8" W: 2-1/4" D: 1-1/2" WT: .6



STOCK #	DESC.	1EA
18682-PS	12VDC Camera Supply	\$17.95

12V @ 1A SUPPLY

MFG: DPX
P/N: GFP101U-1210
Input: 100-120 VAC 50/60Hz
Output: 12VDC @ 1A
Specifications/Features: Switching plug supply with overvoltage & current limit protection. Non-Polarized 2 blade input. 6ft output cord with 10mm X 5.5/2.1mm ID coaxial plug Center +. UL/canada/usa listed. RoHS
L: 1-3/4" W: 1-1/4" T: 7/8" WT: .16



STOCK #	DESC.	1EA
19087-PS	12V @ 1A 5.5/2.1 Plug Supply	\$4.95

15V @ 1.6A SUPPLY

MFG: GME
P/N: GFP241DA-1516EW
Input: 100-240VAC 50/60Hz
Output: 15VDC @ 1.6A
Specifications/Features: Switching wall supply with overvoltage & current limit protection 5% reg. Unique "Filp Out" Non-polarized 2 blade input. 6ft output cord with 10mm X 3.5 OD/1.25mm coaxial plug Center +. UL/canada/usa listed.
H: 4-1/8" W: 1-7/8" D: 1-1/8" WT: .32



STOCK #	DESC.	1EA
18724-PS	15V @ 1.6A GME Supply	\$5.95

12V @ 2A SUPPLY

MFG: JASPER
P/N: AW-024-1-2-A-S
Input: 100-240 VAC 47-63Hz
Output: 12VDC @ 2A
Specifications/Features: Switching desktop supply with overvoltage & current limit protection. Non-polarized 2 blade input connector. 6ft output cord with ferrite filter & 5.5 OD/2.1mm ID/10mm coaxial plug Center +.
L: 3-1/4" W: 2" D: 1-1/4" WT: .5



STOCK #	DESC.	1EA	40EA
18776-PS	12V/2A Jasper Supply	\$5.95	\$5.25

16V @ 3.36A SUPPLY

MFG: FUJITSU
P/N: CA01007-0610
Input: 100-240 VAC 47-63Hz
Output: 16VDC @ 3.36A
Specifications/Features: Switching desktop supply with overvoltage & current limit protection Non-polarized 2 wire IEC Type 2-C8 input connector. 6ft output cord with ferrite filter & with ELAU-5320A Type 5 Right Angle Connector (6.5mm OD with 1.4mm ctr. pin) Center +. UL/canada/usa/TUV/CE listed. POWER CORD NOT INCLUDED. ORDER CORD: Stock # 15447-CB
L: 4-1/4" W: 2-3/8" H: 1-1/4" WT: .8



STOCK #	DESC.	1EA
18468-PS	16V @ 3.36A Fujitsu Supply	\$14.95

18V @ 1A SUPPLY

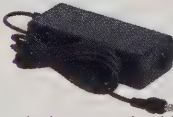
MFG: ARIANA
P/N: ALL-181WU-18
Input: 100-240 VAC 50/60Hz
Output: 18VDC @ 1A
Specifications/Features: Switching plug supply with overvoltage & current limit protection. Non-Polarized 2 blade input. 6ft output cord with 3.5/1.3mm ID coaxial plug Center+. UL/canada/usa listed.
L: 2-7/8" W: 2" T: 1-5/8" WT: .4



STOCK #	DESC.	1EA
18253-PS	18V @1A Plug Supply	\$6.95

19V @ 3.42A SUPPLY

MFG: DELTA
P/N: SADP-65KB D
Input: 100-240 VAC 47-63Hz
Output: 19VDC @ 3.42A
Specifications/Features: Switching desktop supply with overvoltage & current limit protection. Polarized 3 wire IEC Class 1 Type C6 input connector. 6ft output cord with ferrite filter & 5.5/2.5mm ID coaxial plug Center+. UL/canada/usa/TUV/CE listed.
POWER CORD NOT INCLUDED.
ORDER POWER CORD: Stock # 18227-CB
L: 4-1/8" W: 1-3/4" H: 1-1/8" WT: .5



STOCK #	DESC.	1EA	50+EA
18226-PS	19V @ 3.42A Supply	\$12.95	\$10.95

20V @ 3.25A SUPPLY

P/N: PCGA-AC20V
Input: 100-240 VAC 50/60Hz
Output: 20VDC @ 3.25A
Specifications/Features: Switching desktop supply for use as replacement for laptop computers. Overvoltage & current limit protection. Polarized 3 wire IEC Class 1 Type C6 input connector. 3ft output cord with ferrite filter & 13 mm long X 5.5/2.5mm coaxial connector. UL/canada/usa/TUV/CE Listed.
POWER CORD NOT INCLUDED.
ORDER POWER CORD: Stock # 18510-CB \$1.10
L: 4-1/2" W: 2" H: 1-1/4" WT: .42



STOCK #	DESC.	1EA
18508-PS	20V @ 3.25A Laptop Supply	\$8.95

48V@.38A WALL SUPPLY

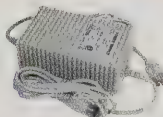
MFG: AULT
P/N: SC102TA4803B01
Input: 100-240VAC 47-63Hz
Output: 48VDC @ 380mA
Specifications/Features: Wall mount switching supply. Non-polarized 2 blade input, 6ft. ZIP cord with 10mm long X 5.5/2.5mm coaxial power plug Center+. UL/canada listed.
L: 3" W: 2" T: 1-5/8" WT: .46



STOCK #	DESC.	1EA
18559-PS	48V Ault Wall Supply	\$6.95

+5V& -24V SUPPLY

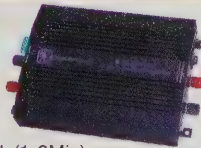
P/N: RPS661429-1D
Input: 115VAC 60Hz
Outputs: #1: +5V @2.5A
#2: -24V @ 50mA
Specifications/Features: Desktop linear supply. Over current protected. 6ft input 3 wire cord, 6ft output cord with 5 pin DIN female. UL/CSA listed.
L: 6-3/8" W: 3-7/8" H: 2-3/4" WT: 3.4



STOCK #	DESC.	1EA
14345-PS	+5V@2.5A & -24V/.05A Supply	\$4.95

24V TO 13.8V DC/DC CONVERTER

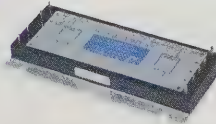
Input: 20-35VDC
Output: 13.8VDC @ 15A peak (1-2Min)
10A for 7Min/5A continuous.
Heavy duty, linear down converter. Used in applications where truck/boat etc. electrical system is 24V to provide 13.8VDC for Radios, and other communication systems. Isolated metal case, 6in input leads, binding posts for output. For direct connection to batteries only. Series 2 units for up to 50VDC Input, Parallel units for higher current.
L: 8" W: 5-3/8" H: 1-1/2" WT: 2.3



STOCK #	DESC.	1EA
9610-PS	24/12V Down Converter	\$29.95

15V @ 13A DC/DC CONVERTER/BOOSTER

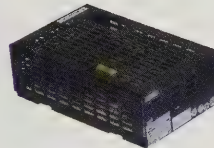
MFG: RELIANCE
P/N: LMB32-CU
Input: 42-60V DC (48V)
Output: 15V DC 200W (13A)
Specifications/Features: Similar to Vicor VI-B32-CU. Requires +5VDC Logic for turn on. Booster module operates in parallel with standard module. Control is supplied from standard module. Short circuit protected.
L: 4.6" W: 2.4" H: .5" WT: .5



STOCK #	DESC.	1EA	5+EA
11325-PS	Reliance Module	\$25.00	\$22.95

12V@3.8A DC/DC CONVERTER

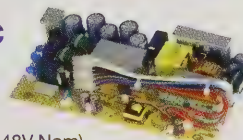
MFG: IPS
P/N: PD65-12-LC
Input: 10-30VDC (24V Nom)
Output: 12V @ 3.8A
Specifications/Features: Max. output 45W
Enclosed, DC input switching supply. 0.5% line Reg./1% load Reg, 1%P/P noise/ripple. Header pins for Input & Output connections.
L: 6-3/4" W: 4-1/8" H: 2-1/8" WT: 1.3



STOCK #	DESC.	1EA	10+EA
18132-PS	12V@3.8A DC/DC Supply	\$9.95	\$8.95

12V@17A DC/DC CONVERTER

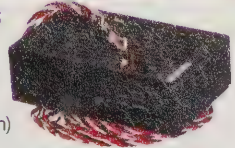
MFG: PHIHONG
P/N: PSM204-120 (DC)
Input: -40.5to -72 VDC (-48V Nom)
Output: 12V @ 17A
Specifications/Features: Max. output 204W with 36CFM Airflow. DC input switching supply. 1% line Reg./5% load Reg, 200mV/P/P noise/ripple. Header pins for input power, 6in. cable with single 2X7 (14) pin output/control connector. UL/us/canada/TUV/CE Listed. DATA. SUPPLY HAS A -48V INPUT POLARITY/GROUNDING MUST BE OBSERVED
L: 7-3/4" W: 4" H: 1-1/4" WT: 1.2



STOCK #	DESC.	1EA
18093-PS	12V@17A DC/DC Supply	\$9.95

12V@3.8A DC/DC CONVERTER

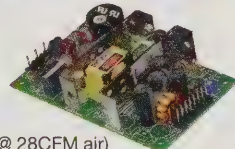
MFG: IPS
P/N: PD65-12-LC
Input: 10-30VDC (24V Nom)
Output: 12V @ 3.8A
Specifications/Features: Max. output 45W
Factory Pre-Wired with 24in Output & a12ft. Input cable harness. Enclosed, DC input switching supply. 0.5% line Reg./1% load Reg, 1%P/P noise/ripple. Header pins for Input & Output connections.
L: 6-3/4" W: 4-1/8" H: 2-1/8" WT: 2.2



STOCK #	DESC.	1EA
18136-PS	12V@3.8A DC/DC Supply/Wired	\$9.95

5V/10A DC/DC CONVERTER

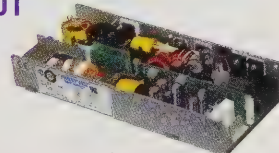
MFG: DIGITAL POWER
MODEL: DP50-105
Input: 36-75VDC
Output: 5VDC @ 8A (10A @ 28CFM air)
Specifications/Features: Regulated DC/DC converter. .2% Line/3% load Reg. Over Voltage & Current protected. Header Pins IN/Out. UL/canada/us/TUV
L: 5" W: 3" T: 1-1/4" WT: .48



STOCK #	DESC.	1EA
17634-PS	48 to 5VDC/DC Converter	\$5.95

QUAD OUTPUT DC/DC CONVERTER

MFG: POWER-ONE
P/N: MDU150-S254
Input: 36-75VDC.
Outputs: #1: +3.3V @ 15A #2: +5V @ 30A
#3: 12V @ 6A #4: 12V @ 2A
MAX Combined V1 & V2= 30A
MAX Combined V3 & V4= 6A
200W Max. output with 300 LFM air Flow
Specifications/Features: DC Input "U" frame switching supply. 1.5% Load Reg on 3.3V Output, 1% Reg. on 5V Output, 7% Reg. on all others. UL/CSA/TUV Listed, Remote sense on V1 & V2
I/O connectors
Input: Molex 41695 series
Output V1 & 2 : 8-32 Terminal strip
Other Outputs: Molex 41695 series
Control: Molex 5268-N
L: 8" W: 4-1/4" H: 1-1/2" WT: 2.2



STOCK #	DESC.	1EA
18248-PS	4 Output Power-1 DC/DC	\$14.95

+15VDC DC/DC CONVERTER

MFG: INTRONICS
P/N: DCS100-3/8/2
Input: 36 to 72VDC
Output: #1: 15V @ 3.4A #2: 15V @ 3.4A
Specifications/Features: Isolated Outputs, Short circuit protected. Remote Sense, Outputs can be connected as + & -. Terminal strip for input & output. 15% Min Load.
L: 9-1/2" W: 4-1/2" H: 2-1/4" WT: 3.1



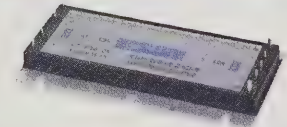
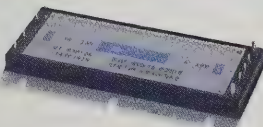
STOCK #	DESC.	1EA
18603-PS	Intronics DC/DC Converter	\$18.95

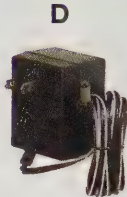
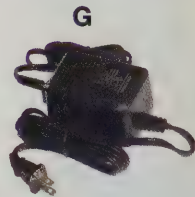
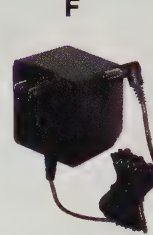
VICOR DC/DC CONVERTER MODULES

Compact, efficient, High frequency DC/DC converters for modular systems. 05% line/load reg. 1% P/P ripple, short circuit protected, remote sense. Some feature integral heatsink. Booster modules are used with standard modules for increased output and feature disable input.

L: 4.6" W: 2.4" H: .5"

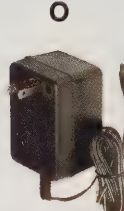
STOCK #	MFG/MODEL #	INPUT NOM.	INPUT RANGE	OUTPUT VOLTS	AMPS/WATTS	DESCRIPTION	WT.	1EA
6654-PS	Vicor VI-B30-06	48VDC	42-60	5V	20A/100W	Booster Module	.5	\$4.95




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**ALL PLUG/DESKTOP SUPPLIES LISTED HERE:
120VAC/60HZ INPUT
UNREGULATED DC OUTPUT
WITH HIGH RIPPLE**

STOCK #	FIG.	VOLTS	AMPS	TERMINATION (ID X OD)	LEN.	CLR.	DIM. L: X W: X D:	MANU./PART NUMBER	LISTED	WT.	1EA	12+EA
18293-PD	G	5VDC	2.2A	3.0mm /1.0mm - Coaxial-Ctr. Pos.	4'	BLK	3-1/8" x 2-1/4" x 2"	Hon-Kwang/D05-22	UL/us/can	1.6	\$3.95	----
15178-PD	B	6VDC	.5A	4mm /1mm - Coaxial-Ctr. Pos.	6'	BLK	3" x 1-3/4" x 1-7/8"	AD6500RDU		.9	\$2.25	\$1.95
16228-PD	C	6VDC	.8A	5.5mm/2.5mm - Rt. Ang. Coaxial-Center Pos.	6'	WHT	2-5/8" x 2" x 1-3/4"	Otres/CX06V800	UL/CSA	.7	\$4.95	----
17625-PD	E	6VDC	1.5A	5.5mm/2.5mm - Coaxial-Ctr. Pos.	6'	BLK	2-5/8" x 2-1/4" x 2"	AULT/P48061500A000G	UL/CSA	.9	\$3.25	\$2.95
17556-PD	D	7.5VDC	.03A	5.5mm/2.1mm- Coaxial-Ctr. Pos.	5'	BLK	2" x 1-3/8" x 1-3/8"	Metagram/SS-75031	UL/CSA	.27	\$1.95	----
17558-PD	D	7.5VDC	.3A	5.5mm/2.1mm- Coaxial-Ctr. Pos.	5'	BLK	21/4" x 1-3/4" x 1-1/2"	Globtek/WD1C300L95CP	UL/CSA	.38	\$3.95	----
18251-PD	F	9VDC	.7A	4.7mm/1.7mm-Rt. Ang.Coaxial-Center Pos.	5'	BLK	2-1/2" x 2" x 1-5/8"	Kenwood	UL/CSA	.61	\$3.95	\$3.49



**ALL PLUG/DESKTOP SUPPLIES LISTED HERE:
120VAC/60HZ INPUT
UNREGULATED DC OUTPUT
WITH HIGH RIPPLE**

STOCK #	FIG.	VOLTS	AMPS	TERMINATION (ID X OD)	LEN.	CLR.	DIM. L: X W: X D:	MANU./PART NUMBER	LISTED	WT.	1EA	12+EA
17565-PD	J	12VDC	.15A	Stripped back Mini ZIP Cord	6'	WHT	2-3/8" x 1-3/4" x 1-7/8"	Lucent/4000T	UL	.4	\$2.95	----
17563-PD	K	12VDC	1.2A	5.5mm/2.5mm Coaxial-Ctr. NEG. Unfiltered	6'	BLK	3-1/4" X 2-3/8" X 2"	Power Drivers/AU48-120-120T	UL/CSA	1.2	\$4.95	----
18558-PD	O	15VDC	1A	5.5/2.5mm Coaxial - Center Pos.	6'	BLK	3-1/4" x 2-1/4" x 2"	Ault/ P48151000A000G	UL/CSA	1.3	\$5.95	----
18901-PD	O	15VDC	1A	4.7/1.7mm Coaxial - Center Pos.	5'	BLK	3-1/4" x 2-1/4" x 2"	OEM/AD-151A	ULus/c	1.3	\$5.95	----
18560-BC	S	26VDC	.21A	3.5/1.3mm Coaxial-Ctr. +	6'	BLK	3" X 2" X 1-5/8"	Black&Decker/ETPCA-180021U3	cULu	.23	\$2.95	----
Actual output is 28.6NL/28V@ 200mA. Wall charger for several 18V B&D tools.												
15890-PD	X	30VDC	.4A	3' line cord/6.5mm/2.5mm Coaxial-Ctr. Neg.	5'	BLK	4-1/2" X 2-5/8" X 2-3/16"	H/P /C2183A/9100-5195b	----	1.4	\$19.95	----

**9.6V
RECHARGABLE
BATTERY**



Kinetic N600AA8HC shrink-wrapped Ni/Cad AA cell pac. Rated: 9.6VDC @ 600mAh, 6in. leads with 2 pin micro connector.
L: 2-1/4" W: 1-1/8" H: 1-7/8"

WT: .32

STOCK #	DESC.	1EA
18959-BT	9.6V@600mAH Ni/Cad Pack	\$9.95

**"AA" NI-CAD/NI-MH
CHARGER**

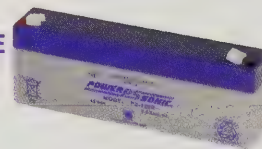


P/N: V-888N
Input: 120 VAC 50/60Hz
Output: 2.4VDC
Specifications/Features: Wall plug unit for charging 2 or 4 "AA" rechargeable NI-CAD or NI-MH cells. UL/canada/usa listed.

L: 4-1/8" W: 1-1/2" D: 1-3/8" WT: .3

STOCK #	DESC.	1EA
16414-PS	"AA" Battery Charger	\$2.95

**12V
RECHARGABLE
BATTERY**



Power-Sonic 1220 Sealed Lead/Acid gell cell with .187 Quick connect terminals. For general purpose use in Alarms, Portable lighting. 20hr capacity rating. UL listed.
L: 7" W: 1-3/8" H: 2-9/16" WT: 2.8

STOCK #	DESC.	1EA
18899-BT	12V@2.5A Gel Cell	\$9.95

**RECHARGABLE
BATTERIES**



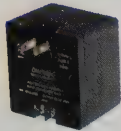
Sealed Lead/Acid gell cells with .187 Quick connect terminals. For general purpose use in UPS systems, Alarms, Portable lighting. 20hr capacity rating.

17280: 2.8" L X 1.9" W X 4.2" H
14817: 6" L X 1.4" W X 3.9" H
14819: 6" L X 2.6" W X 3.9" H

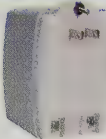
STOCK #	DESC.	WT.	1EA	5+EA
17280-BT	6V@4A (NP4-6)	2	\$7.95	\$7.45
14817-BT	6V@8A (NP8-6)	4.5	\$18.95	\$17.95
14819-BT	12V@7A (NP7-12)	6	\$20.95	\$19.95

**THOUSANDS MORE ITEMS
ON MPJA.COM**

PLUG-IN TRANSFORMERS



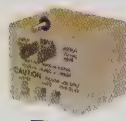
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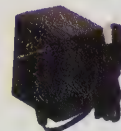
B



C



D



F



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AC OUTPUT TRANSFORMERS
ALL PLUG TRANSFORMERS 120VAC/60HZ INPUT

STOCK #	FIG.	VOLTS	AMPS	TERMINATION (ID X OD)	LEN.	CLR.	DIM. L X W X D.	MANU./PART NUMBER	LISTED	WT.	1EA	12EA
18556-PA	A	12VAC	3A	2Pos Screw	-	Blk.	3-1/4" x 2-5/8" x 2-1/4"	AULT/306-4012-000E	UL	1.4	\$6.95	Call
12635-PA	B	12VAC	3A	2 Pos. Screw-LED Ind.	-	White	4" x 2-5/8" x 2-1/4"	MG Electronics	UL	1.6	\$7.95	\$7.45
14175-PA	B	16.5VAC	2.4A	2 Pos. Screw-LED Power Indicator	-	White	4" x 2-5/8" x 2-1/4"	MG Electronics	UL	1.6	\$7.95	\$7.45
18249-PA	B	16.5VAC	2.4A	2 Pos. Screw	-	White	4" x 2-5/8" x 2-1/4"	AMSECO XT-1640	UL	1.6	\$6.95	\$6.45
17560-PA	D	18VAC	1.1A	2 Pos. Screw	-	Beige	2-3/8" x 2-1/4" x 2"	AULT	UL	1.8	\$3.95	Call
12637-PA	B	24VAC	1.6A	2 Pos. Screw-LED Ind.	-	White	4" x 2-5/8" x 2-1/4"	MG Electronics	UL	1.6	\$7.95	\$7.45
17561-PA	F	24VAC	1.66A	2Socket Molex Micro-Fit.	6	Black	3-1/4" x 2-3/4" x 2-1/8"	AULT/T57241667D020G	UL	1.8	\$6.95	Call

CHASSIS MOUNT TRANSFORMERS

SELECTING TRANSFORMERS

Volts & Current listed are nominal RMS. Open circuit and loaded values are different. Type of rectifier/filter circuit will effect secondary & output current and they can be very different. Full wave center tap choke input filter: Transformer secondary amps are .7 X required output amps. Full wave center tap cap input filter: Transformer secondary amps are 1.2 X required output amps. For Full wave bridge choke input filter: Transformer secondary amps are = to required output amps. For Full wave bridge cap input filter: Transformer secondary amps are 1.8 X required output amps.



A



B

STOCK #	STYLE	INPUT	OUTPUT VOLTS	AMPS	LEADS	DIMN. (L W H)	WT.	1EA	12EA
The following Transformers have a Center tapped secondary allowing use of Half wave, Full wave center tap or Full wave bridge rectifier circuits.									
7838-TR	A	110/220VAC	12VAC (6V-0V-6V)	1A	6"	2-3/4" x 1-1/2" x 1-5/8"	.6	\$3.95	\$3.75
7839-TR	A	110/220VAC	12VAC (6V-0V-6V)	2A	6"	3-1/4" x 2" x 2"	1.3	\$5.95	\$5.75
7840-TR	A	110/220VAC	12VAC (6V-0V-6V)	4A	6"	4" x 2" x 2-1/4"	1.7	\$10.75	\$9.95
7841-TR	A	110/220VAC	18VAC (9V-0V-9V)	1A	6"	3" x 2" x 1-3/4"	.8	\$4.95	\$4.45
7842-TR	A	110/220VAC	18VAC (9V-0V-9V)	1.5A	6"	3-1/4" x 2" x 1-7/8"	1.1	\$5.49	\$4.95
7843-TR	A	110/220VAC	18VAC (9V-0V-9V)	2A	6"	3-1/4" x 2" x 1-7/8"	1.1	\$5.95	\$5.49
7844-TR	A	110/220VAC	24VAC (12V-0V-12V)	2A	6"	3-1/2" x 2-1/4" x 2"	1.4	\$7.95	\$7.45
7845-TR	A	110/220VAC	24VAC (12V-0V-12V)	4A	6"	3-7/8" x 2-1/2" x 2-1/4"	2.3	\$12.95	\$11.95
7846-TR	B	110/220VAC	24VAC (12V-0V-12V)	10A	6"	3-3/4" x 3-5/8" x 3-3/8"	5.5	\$27.95	\$27.49

120/240VAC
TRANSFORMER

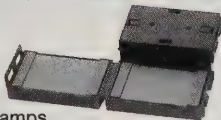
MFG: TODD
P/N: AT-106
Input: 240/120VAC60Hz
Output: 240/120VAC@ 150VA (1.2A)
Frame mount Step Up/Down autotransformer. Unit can be wired for 120/240V input or output. .25" Quick connect for 240 terminals & .187" for 120V terminals.
L: 4" W: 2-1/2" H: 2-1/2" WT: 2.7



STOCK #	DESC.	1EA
18133-TR	240/120V Auto Transformer	\$12.95

FLAT CABLE
NOISE FILTERS

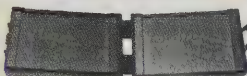
Fair-Rite P/N #0443166651
Snap-On, ferrite filters. Clamps on ribbon cable up to 1.3" wide & up to .05" thick (24-26 conductor). Type 43 material blocks noise frequencies from 1MHz to 100MHz. Permeability=1000, impedance: 77 @ 25MHz 225 @ 100MHz.



STOCK #	DESC.	1EA	10EA
12799-FL	26 Cond. Noise Filter	\$2.75	\$2.49

FLAT CABLE
NOISE FILTERS

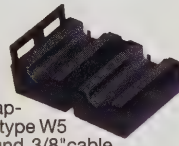
Fair-Rite Snap-On, ferrite filters. Clamps on ribbon cable up to 1" wide & up to .05" thick (20 conductor). Type 43 material blocks noise frequencies from 1MHz to 100MHz. Permeability=1000, impedance: 77 @ 25MHz 225 @ 100MHz. Peel-n-stick mounting tape on back



STOCK #	DESC.	1EA	10EA
15456-FL	20 Cond. Noise Filter	\$2.25	\$1.89

SNAP-ON
NOISE FILTERS

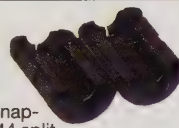
TIA-TECH P/N W5 SRH ferrite snap-on filters. Black Plastic case with type W5 split core material. Clamps around 3/8" cable and blocks noise. Frequencies from 25MHz to above 500MHz. impedance: 100+ @ 25MHz/200+ @ 100MHz L: 1.3"



STOCK #	CABLE	DESC.	WT	1EA
18466-FL	.25"	Clam Noise Filter	.07	\$0.99
18461-FL	.37"	Clam Noise Filter	.09	\$2.49
18462-FL	.5"	Clam Noise Filter	.18	\$1.25

SNAP-ON
NOISE FILTERS

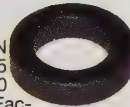
Fair-Rite P/N 0443167281 ferrite snap-on filters. Plastic case with type 44 split core material. Clamps around cable up to .4in Dia. and blocks noise. Frequencies from 30MHz to 500MHz. Permeability=500, impedance: 125 @ 25MHz/210 @ 100MHz L: 1.55" W: .94" H: .94" WT: .08



STOCK #	DESC.	1EA	25EA
17842-FL	.4" Clam Noise Filter	\$2.49	\$1.95

TOROID CORE

1" O/D Uncoated toroid. Fair-Rite P/N 5975001301, High Permeability Type 75 MnZn material. Flux Density: 4300 Gauss. Core Constant: 20, Inductance Factor: 3140nH, Effective Path Length: 6.2cm. For Broad-band & Pulse transformers.



STOCK #	DESC.	1EA	10EA
17609-TC	1" Toroid Core	\$1.49	\$1.25

SNAP-ON
NOISE FILTERS

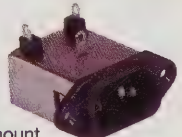
TIA-TECH P/N W5 SRH ferrite snap-on filters. Black Plastic case with type W5 split core material. Clamps around 3/8" cable and blocks noise. Frequencies from 25MHz to above 500MHz. impedance: 80+ @ 25MHz / 180+ @ 100MHz L: .75" W: 1.12" H: .88" WT: .04



STOCK #	CABLE	DESC.	1EA
18463-FL	.37"	Clam Noise Filter	\$1.95

RFI INLET FILTER

DELTA 10ME3, PC board/Panel mount, power inlet/RFI Filter. Rated: 10A @ 115/250VAC. Standard male 3 blade IEC cord connector. Right angle solder output terminals, UL/CSA/VDE listed.



STOCK #	DESC.	1EA
18456-FL	6A Delta RFI Module	\$3.95

RFI INLET FILTER

DELTA 06DENG3B-R, Snap-in, power inlet/RFI Filter. Rated: 6A @ 125/250VAC. Standard male 3 blade IEC cord connector. .250 quick connect output terminals, UL/CSA/VDE listed.



STOCK #	DESC.	1EA
18056-FL	6A Delta RFI Module	\$3.95

SOLDERING STATION

General purpose solder station for the hobbyist. Adjustable from 5 to 50 Watt (800° F max) heat output for repairing PC boards to soldering transformer terminals. Station provides on-off switch, knob to control wattage, built-in stand, tip cleaning sponge & 1/32" point tip. 115 VAC line.

Base L: 5-5/8" X W: 4-9/16" X T: 3-5/8" WT: 1.8

STOCK #	DESC.	1EA	10+EA
15860-TL	Solder Station	\$14.95	\$13.95
15861-TL	Replacement handle	\$4.95	\$4.49

REPLACEMENT TIPS

Tips for 15860-TL ONLY soldering station. Different styles for various uses. WT: .05

STOCK #	DESC.	1EA	10+EA
15862-TL	1/32" Point Tip	\$1.95	\$1.75
15863-TL	1/16" Point Tip	\$1.95	\$1.75
15864-TL	1/8" Flat Tip	\$1.95	\$1.75
15865-TL	1/8" Chisel Tip	\$1.95	\$1.75

HOT AIR REWORK STATION

Hot air repair/rework station for SMT devices. Features: a fast heating ceramic heater, internal air supply, stable temperature, comfort grip handle, interchangeable hot air nozzles for PLCC/SOP/etc. devices. Adjustable temperature & air flow. Temperature range: 150 deg.-500deg. "C". Station includes 4 nozzles:

- 16123-TL QFP 10 X 10 (mm),
- 16124-TL QFP 14 X 14 (mm),
- 16122-TL Single 2.5mm Dia.,
- 16128-TL Single 4mm Dia.

Repair Parts & Other Nozzles Available

WT: 9

STOCK #	DESC.	1EA
16121-TL	SMD Rework Station	\$99.95

REPLACEMENT REWORK STATION PARTS

See soldertoolsdepot.com for pictures of replacement parts for 16121-TL.

STOCK #	DESC.	1EA
17215-TL	Replacement Heater	\$4.95
17216-TL	Replacement Wide Pickup Wire	\$1.49
17217-TL	Replacement Narrow Pickup	\$1.49
17218-TL	Replacement Pickup Handle	\$1.49

HOT AIR STATION NOZZLES

VISIT mpja.com for listing and pictures of QFP/SOP nozzles Tips for 16121-TL. Different styles for various uses.

WT: .2

STOCK #	DESC.	1EA
16122-TL	2.5mm Dia. Nozzle	\$4.95
16123-TL	10mm sq. QFP Nozzle	\$6.95
16124-TL	15mm sq. QFP Nozzle	\$6.95
16125-TL	19 mm sq. QFP Nozzle	\$6.95
16126-TL	15mm X 21mm QFP Nozzle	\$6.95
16127-TL	29mm sq. QFP Nozzle	\$7.95
16128-TL	4.4mm Dia. Nozzle	\$4.95
16129-TL	4.8 X 10mm SOP Nozzle	\$6.95
16130-TL	5.7 X 15mm SOP Nozzle	\$6.95
16131-TL	7.2 X 16mm SOP Nozzle	\$6.95
16132-TL	7.2 X 19mm SOP Nozzle	\$6.95

SCAN this code with your smart phone for www.soldertoolsdepot.com



TEMPERATURE CONTROLLED SOLDER STATION

ZD Electronic Tools ZD-929C Temperature controlled soldering station with LED display. Heat sensor located near the tip for fast response and +-10° "F" control. Rated at 48Watts, 24Vac handle. Temperature range: 320° "F" to 800° "F". Isolated tip, fused line. 117 VAC.

Extra tips are available for general replacement or special uses.

Base L: 6-3/4" X W: 4-3/4" X T: 3-9/16" WT: 4.8

STOCK #	DESC.	1EA	5+EA
15845-TL	LED Solder Station	\$46.95	\$39.95
15846-TL	Replacement Handle	\$6.95	\$6.49

REPLACEMENT TIPS

Tips for 15845-TL ONLY temperature controlled soldering station. Different styles for various uses. WT: .05

STOCK #	DESC.	1EA	10+EA
15849-TL	.02" Round Tip/std. Shank	\$1.95	\$1.75
15850-TL	.02" Point Tip/thin Shank	\$1.95	\$1.75
15851-TL	.12" Conical Tip/std. Shank	\$1.95	\$1.75
15852-TL	.08" Chisel Tip/std. Shank	\$1.95	\$1.75
15853-TL	.02" Round Tip/med. Shank	\$1.95	\$1.75

SMD HOT TWEEZER ADAPTER

48W, Hot tweezer adapter replaces the soldering iron handle/heater assembly on our 15845-TL station. Removes surface mounted components up to 2.5mm with tip supplied. Other size tips are available.

WT: .5

STOCK #	DESC.	1EA	5+EA
15847-TL	Hot Tweezers Adapter	\$12.95	\$11.49

SMD TWEEZER TIP SET

Set of 7 different size tips for SMD tweezer handle 15847-TL. One pair of 2.5mm, 3.5mm, 5mm, 10mm, 15mm, 20mm and 30mm wide tips.

WT: .1

STOCK #	DESC.	1EA	5+EA
15848-TL	Hot Tweezer Tip Set	\$5.95	\$5.49

MINI SOLDER STATION

8W mini temperature controlled soldering station with un-grounded tip and comfort grip handle. Easy off connector for easy replacement of handle/heater. Adjustable Temperature range: 100 deg. "C" to 450 deg. "C" (212-842 "F"). Fused line. 117 VAC.

L: 4" W: 3" O/A: H: 1-7/8" WT: 1.5

STOCK #	DESC.	1EA	10+EA
16924-TL	8W Mini Station	\$12.95	\$11.95

30W SOLDERING IRON

Light weight, 30 watt pencil iron with pointed Tip. Includes simple stand & Spare Tip. 4ft, 3 wire line cord. Tip is grounded. Overall length of iron is 9". Ideal for general shop use. CE listed

WT: .45

STOCK #	DESC.	1EA
17518-TL	30W Solder Iron/Stand	\$5.95

LEAD FREE SOLDER STATION

MFG: MUELLER
P/N: ST-0
Input: 115 VAC 50/60Hz
Max. Power: 60W

From the Company that gave us the Alligator Clip; another innovation in soldering. Unit features a variable temperature soldering iron & stand with Fume extractor fan/filter. Ideal for solder touch-up on boards, tinning wires & leads etc.

Specifications/Features:

Temp. range: Adj. ~350-895°F/175-480°C
Fan: 4.5W/Active Carbon Filter
Fan ON/OFF Control
Cords: 2m for Power & 1m for Iron

D: 14-1/2" W: 6-1/2" H: 13" Ship WT: 10

STOCK #	DESC.	1EA
18168-TL	Mueller Lead Free Station	\$199.95

FIXTURE FREE SOLDER STATION

MFG: MUELLER
P/N: ST-1
Input: 115 VAC 50/60Hz
Max. Power: 75W

From the Company that gave us the Alligator Clip; the latest in solder productivity. Self contained unit features a variable temperature soldering head with a variable speed solder feed & Fume extractor fan/filter. Ideal for solder touch-up on boards, tinning wires & leads etc. No fixturing required; operator holds board under head while controlling the solder feed by the foot switch.

Specifications/Features:

Temp. range: Adj. ~350-895°F/175-480°C
Stability: +-5 "C"/+-9 "F"

Solder Dia: .024Min/.063 Max (Leaded or Lead free)

Solder Feed: Adj. 0-4"/Sec.

Solder Span: Adj. 0-1Sec.

Solder Feed Time: Continuous: As long as foot switch depressed

Pulse: each depression of foot switch as set by "Span" control.

Solder Head Adj.: +15 to -45 degrees from Vertical

Left 54 to Right 54 degrees from center

Height: 7" min to 10" Max (Head Vertical)

Cords: 2m for Power & Footswitch

Includes: Tips, Solder, Wrench

STOCK #	DESC.	1EA
18167-TL	Mueller Solder Station	\$249.00

SOLDERING IRON

Light weight, 30 watt pencil iron with pointed tip. 4ft, 2 wire line cord. Overall length of iron is 8-1/4". Ideal for general shop use. Available UL listed

L: 8-1/2"

WT: .6

STOCK #	DESC.	1EA	5+EA
3027-TL	Non UL Solder Iron	\$2.95	\$1.95
3028-TL	UL Solder Iron	\$4.95	\$4.49

60W SOLDERING IRON

Light weight, 60 watt pencil iron with pointed Tip. Includes simple stand. 4ft, 2 wire line cord. Ideal for general shop use. Includes simple stand.

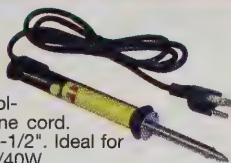
L: 9-1/2"

WT: .4

STOCK #	DESC.	1EA
18339-TL	60W Solder Iron/Stand	\$6.95

DESOLDERING IRON

Light weight, 40 watt desoldering iron. Built in solder sucker, 4ft, 3 wire line cord. Overall length of iron is 10-1/2". Ideal for general shop use. 115VAC/40W
L: 10-1/2"



WT: .6

STOCK #	DESC.	1EA	10+EA
16922-TL	Desoldering Iron	\$6.95	\$5.95
16923-TL	Replacement Tip	\$1.95	\$1.75

ADJUSTABLE SOLDERING IRON

Clear handle, Light weight, adjustable 50 watt pencil iron with a pointed tip. Temp. Range: 200-450 "C". Red LED indicates heater operation. 4ft, 3 wire line cord. Tip is grounded. Overall length of iron is 9". Ideal for general shop use. CE listed.



L: 9-5/8"

WT: .5

STOCK #	DESC.	1EA
17517-TL	Adj. 50W Solder Iron	\$12.95
17530-TL	Replacement TIP	\$1.95

LIGHTED SOLDERING IRON

Light weight, 30 watt pencil iron with a pointed tip and a White LED that illuminates the tip. 4ft, 3 wire line cord. Tip is grounded. Overall length of iron is 9". Ideal for general shop use. CE listed.



L: 9"

WT: .4

STOCK #	DESC.	1EA
17516-TL	Lighted Solder Iron	\$5.95
17531-TL	Replacement TIP	\$1.75

ANTISTATIC SOLDER SUCKER



Antistatic solder removal tool with plastic body and teflon tip. Spring loaded tool with push button release, uses suction to remove solder from circuit board components.
L: 13-1/2" D: 1-1/4"

WT: .25

STOCK #	DESC.	1EA	50+EA
17220-TL	Solder Sucker	\$5.95	\$4.95
17221-TL	Replacement Tip	\$1.95	\$1.49

ANTISTATIC TIP SOLDER SUCKER

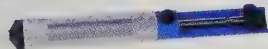


Solder removal tool with Plastic body and Antistatic tip. Spring loaded tool with push button release.
L: 11-1/4" D: 15/16"

WT: .2

STOCK #	DESC.	1EA	5+EA
15859-TL	Solder Sucker	\$6.95	\$6.49
15858-TL	Replacement Tip	\$2.35	\$1.95

MINI SOLDER SUCKER



Plastic tip and aluminum body. Spring loaded with push button release, with replaceable tip.
L: 7-7/8" D: 7/8"

WT: .2

STOCK #	DESC.	1EA	5+EA
0041-TL	Mini Solder Sucker	\$3.95	\$2.95
9178-TL	Mini Replacement Tip	\$0.69	\$0.59

ADJUSTABLE ARM SMOKE ABSORBER

Smoke absorber with activated carbon filter removes fumes and smoke from work area. 2 section cantilevered metal arms with 3 joints allows for multi-positions. ESD safe plastic with metal stand. 115VAC fan with 5ft. cord. Includes 2 spare filters (filters should be changed after 30 days of use), 2 fan exhaust deflectors. +- 85deg. Arm swing.
H: adj 0-16" from Benchtop



WT: .6

STOCK #	DESC.	1EA
17529-TL	Smoke Absorber	\$39.95
15167-TL	Replacement Carbon Filters	\$6.50

BENCHTOP SMOKE ABSORBER



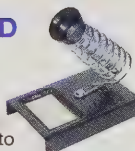
Benchtop smoke absorber with activated carbon filter removes fumes and smoke from work area. ESD safe plastic with metal stand. 115VAC fan with 5ft. cord. Includes 2 filters. (filters should be changed after 30 days of use).
H: 10" W: 7-3/4" D: 4-1/4"

WT: .31

STOCK #	DESC.	1EA
15166-TL	Smoke Absorber	\$27.99
15167-TL	Replacement Carbon Filters	\$6.50

SOLDERING IRON STAND

Metal stand for pencil irons. Spring type, 5" X 3-1/4" base with wiping sponge. High temperature thermo-plastic collar to



L: 5" W: 3-1/4"

WT: .2

STOCK #	DESC.	1EA	5+EA
4455-TL	Solder Iron Stand	\$4.50	\$3.95

SOLDER BRAID

When placed on a solder connection and heated; this rosin coated copper braid will draw up the melted solder. 1.5m (4.9ft) on a plastic spool. Ideal for PC board repair, field service, etc.
L: 1.5m



WT: .2

STOCK #	DESC.	1EA	3+EA
2648-TL	2mm Wide Solder Wick	\$0.65	\$0.59
16433-TL	4mm Wide Solder Wick	\$0.75	\$0.69

LOW LEAD SOLDER

93Sn/7Pb alloy
Solidus: 183 deg. "C"
Liquidus: 220 deg. "C"
1mm/.039" Dia. ~18AWG
Mildly Activated core
For general applications requiring slightly higher temperature range than standard 60/40 alloy
190gm (Approx 110ft.)

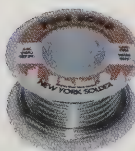


WT: .5

STOCK #	DESC.	1EA
17718-TL	Low Lead Wire Solder	\$9.99

LEAD FREE SOLDER

NEW YORK SOLDER "Pure Bond"
Sn/Cu alloy
Cu: 2.8-3.2%
Sn: remainder
Melt Point: 227-250deg. "C"
.125" Dia. (1/8")
No Flux core
For sheet metal joining, plumbing, etc.



WT: .54

STOCK #	DESC.	1EA
16730-TL	8oz. Wire Lead Free Solder	\$14.95

HANDY TUBE SOLDER

.04in Dia. 63/37 Tin/Lead, rosin core solder in plastic Handy Tube. For all electronic uses.



WT: .044/.057

STOCK #	DESC.	1EA
17462-TL	.6oz (8ft+) Tube 63/37 Solder	\$1.25

6-1/2" HARDENED CUTTERS

6-1/2 in, forged high carbon Steel dikes with Cushioned grips. Hardened to 55-60 HRC For hard copper, Brass, Light spring & Stainless steel,
L: 6-1/2"



WT: .34

STOCK #	DESC.	1EA
18912-TL	6" Hardened Cutter	\$2.95

PC BOARD FLUSH CUTTER

Features: Spring Loaded, cutters with cushion grip handles
Use: Trimming PC Board Leads.
L: 5"

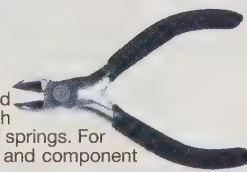


WT: .17

STOCK #	DESC.	1EA
16761-TL	5in. Flush Cutter	\$1.75

4" DIAGONAL CUTTERS

Drop forged, 4" Rounded jaw Diagonal Cutter with cushioned grips and leaf springs. For cutting soft copper wire and component leads.
L: 4-1/4"

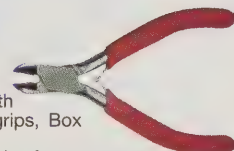


WT: .16

STOCK #	DESC.	1EA
18177-TL	4" Mini Diagonal Cutter	\$1.95

MINI CUTTERS

Mini Diagonal cutters with cushioned dipped vinyl grips, Box Hinge and leaf springs
General purpose electrical/craft use
L: 4-1/2"



WT: .14

STOCK #	DESC.	1EA
17768-TL	Box Joint Dikes	\$0.99

5" CUTTERS

Features: Forged, back milled, flush cutters with Standard cutting angle cushion grip handles & spring return.
L: 5-1/4"

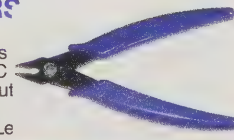


WT: .3

STOCK #	DESC.	1EA
17877-TL	5in. Flush Cutter	\$5.95

FLUSH CUTTERS

Spring loaded Flush Cutters
Feature: Hardened to HRC 58, cushion grip handles, cut copper wire up to 1mm
Use: Trimming PC Board Le
L: 5"



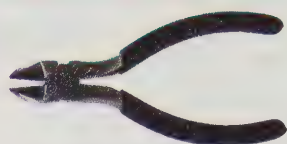
WT: .18

STOCK #	DESC.	1EA
18334-TL	5in. Flush Cutter	\$2.95

**THOUSANDS MORE ITEMS
ON MPJA.COM**

**STAINLESS
DIAGONAL
CUTTERS**

Corrosion resistant Stainless Steel
Cushioned dipped vinyl grips
General purpose electrical/craft use
L: 6-1/4"

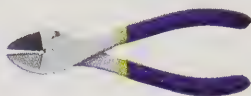


WT: .4

STOCK #	DESC.	1EA
17467-TL	6" Stainless Diagonal Cutter	\$2.50

**HARDENED
SIDE CUTTERS**

Hardened Heavy duty carbon Steel,
Cushioned dipped vinyl grips. Hardened to 55-58 HRC
For hard copper, Brass, Light spring & Stainless steel,
L: 7"



WT: .52

STOCK #	DESC.	1EA
18914-TL	Hardened 7in. Cutter	\$4.50

**8"
DIAGONAL
CUTTERS**

8 in, forged Steel dikes with
Cushioned dipped vinyl grips
General purpose electrical/craft use
L: 8"

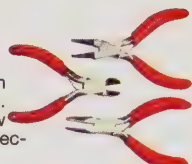


WT: .58

STOCK #	DESC.	1EA
18913-TL	8" Diagonal Cutter	\$2.60

**3PCS. MICRO
PLIERS**

Dropped forged, micro pliers with
leaf springs & cushioned grips.
Includes: Side cutter, Smooth jaw
long Nose & Round Nose. For Elec-
tronic work.



L: 3"

WT: .22

STOCK #	DESC.	1EA
17540-TL	3Pcs. Micro Pliers	\$2.95

**4 1/2" CLOSED
HANDLE FLUSH
CUTTER**

Features: Spring Loaded, cutters
with hard plastic handles
Use: Trimming PC Board Leads.



L: 4-7/4"

WT: .1

STOCK #	DESC.	1EA
16747-TL	Closed Handle Cutter	\$2.99

**6" CUTTER
STRIPPER**

Features: Forged cutters with
cushion grip handles and 2 holes for
wire stripping. Ergonomic cutting angle.
Not spring loaded.



L: 6-1/4"

WT: .4

STOCK #	DESC.	1EA
16749-TL	6in. Cutter/Stripper	\$3.95

**STAINLESS
CUTTERS**

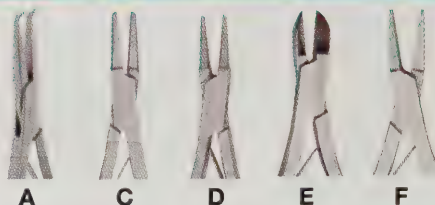
Features: Forged stainless steel flush
cutters with cushion grip handles & spring
return. For copper & aluminum.



L: 4-7/8"

WT: .22

STOCK #	DESC.	1EA
17882-TL	Stainless Flush Cutter	\$6.95


MINI PLIERS

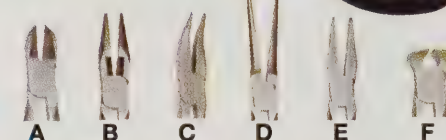
Chrome plated, 5in. mini pli-
ers with leaf springs & cushioned
dipped vinyl grips.
For fine Jewelry, or Electronic work



L: 5"

WT: .1

STOCK #	FIG.	DESC.	1EA	10+EA
4980-TL	A	Bent Nose Pliers	\$2.95	\$2.49
4982-TL	C	Needle Nose Pliers	\$2.95	\$2.49
8090-TL	D	Round Nose Pliers	\$2.95	\$2.49
8091-TL	E	Diagonal Cutters	\$2.95	\$2.49
8092-TL	F	Flat Nose Pliers	\$2.95	\$2.49

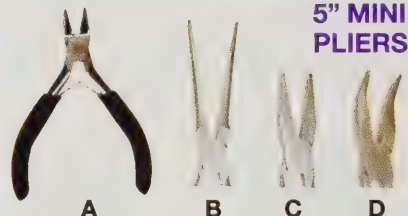
**LONG
REACH
PLIERS**


Nickel plated, dropped forged, long reach pliers with leaf
springs & cushioned dipped vinyl grips. For fine Jewelry
or Electronic work. Bulk packed.

L: 5-3/8" to 7-1/4"

WT: .2

STOCK #	FIG.	DESC.	1EA	10+EA
15385-TL	A	Diagonal Cutters	\$2.95	\$2.49
15386-TL	B	Serrated Nose Pliers	\$2.95	\$2.49
15387-TL	C	Bent Nose Pliers	\$2.95	\$2.49
15388-TL	D	Long Nose Pliers	\$2.95	\$2.49
15389-TL	E	Flat Nose Pliers	\$2.95	\$2.49
15390-TL	F	End Cutters	\$2.95	\$2.49

**5" MINI
PLIERS**


Dropped forged, pliers with leaf springs & cushioned
dipped vinyl grips. For cutting or bending soft copper wire
and component leads. For fine Jewelry or
Electronic work.

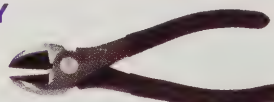
L: 4" to 5-7/8"

WT: .15

STOCK #	FIG.	DESC.	1EA	10+EA
16498-TL	A	Diagonal Cutter	\$2.35	\$2.25
17013-TL	B	Long Nose Pliers	\$1.95	\$1.75
17014-TL	C	Needle Nose Pliers	\$1.95	\$1.75
17015-TL	D	Bent Nose Pliers	\$1.95	\$1.75

**HEAVY DUTY
SIDE
CUTTERS**

Cushioned dipped vinyl grips
General purpose electrical/craft use



L: 7-1/4"

WT: .6

STOCK #	DESC.	1EA
17915-TL	6" H/D Diagonal Cutter	\$2.95

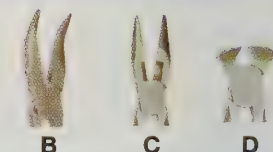

**5" MINI
PLIERS**


Dropped forged, pliers with leaf springs & cushioned
dipped vinyl grips. For fine Jewelry or
Electronic work.

L: 4" to 6"

WT: .15

STOCK #	FIG.	DESC.	1EA	10+EA
17111-TL	A	Diagonal Cutters	\$1.95	\$1.75
17113-TL	C	Bent Nose Pliers	\$1.95	\$1.75
17114-TL	D	Long Nose Pliers	\$1.95	\$1.75
17115-TL	E	Combination Pliers	\$1.95	\$1.75
17116-TL	F	End Cutter	\$1.95	\$1.75

4.5" MINI PLIERS


Dropped forged, Box Joint pliers with leaf springs &
padded grips. For fine Jewelry or Electronic work.

L: 4-1/8" to 5-3/4"

WT: .13

STOCK #	FIG.	DESC.	1EA
17658-TL	B	Smooth Jaw Bent Nose Pliers	\$1.75
17659-TL	C	Serrated Jaw Long Nose Pliers	\$1.75
17660-TL	D	End Nipper	\$1.75

**NEEDLE NOSE
PLIERS**


Nickel plated, dropped forged, pliers with leaf springs &
cushioned dipped vinyl grips. For fine Jewelry or electronic
work.

L: 5-1/2"

WT: .15

STOCK #	DESC.	1EA	10+EA
15398-TL	Concave Nose Pliers	\$1.95	\$1.75

5" MINI PLIERS


Dropped forged, pliers with leaf springs & cushioned
dipped vinyl grips. For fine Jewelry or Electronic work.

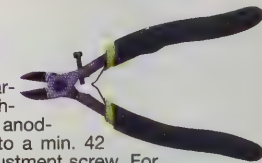
L: 4" to 5-7/8"

WT: .15

STOCK #	FIG.	DESC.	1EA	10+EA
15398-TL	D	Concave Nose Pliers	\$1.95	\$1.75
15401-TL	E	End Cutter	\$1.95	\$1.75

**HARDENED
6IN. CUTTERS**

6 in, long handle, high car-
bon steel dikes with Cush-
ioned grips and black anod-
ized finish. Hardened to a min. 42
HRC. Depth of cut adjustment screw. For
hard copper, Brass, Light spring & Stainless steel
L: 6"



WT: .24

STOCK #	DESC.	1EA
18930-TL	6" Long Handle Cutter	\$5.95

STAINLESS SIDE CUTTERS

Corrosion resistant Stainless Steel
Cushioned dipped vinyl grips
General purpose electrical/craft use

L: 7-1/4"

WT: .6

STOCK #	DESC.	1EA
17469-TL	7" S/S Diagonal Cutter	\$3.50

6" STAINLESS LONG NOSE PLIERS

Corrosion resistant Stainless Steel
Cushioned dipped vinyl grips
Side Cutter & serrated nose
General purpose industrial/hobby/craft use.

L: 6-1/2"

WT: .4

STOCK #	DESC.	1EA
17468-TL	6" Stainless Long Nose	\$2.50

8" STAINLESS LONG NOSE PLIERS

Corrosion resistant Stainless Steel
Cushioned dipped vinyl grips
Side Cutter & serrated nose
General purpose industrial/hobby/craft use

L: 8"

WT: .6

STOCK #	DESC.	1EA
17470-TL	8" Stainless Long Nose	\$3.50

5-1/2" LONG NOSE PLIERS

Mini long nose pliers with ergonomic formed
cushioned dipped vinyl grips, smooth nose,
NO Cutter.

General purpose industrial/hobby/craft use

L: 5-1/2"

WT: .17

STOCK #	DESC.	1EA
17908-TL	Mini Long Nose Pliers	\$1.95

STAINLESS DIAGONAL CUTTERS

Corrosion resistant Stainless Steel
Cushioned dipped vinyl grips
General purpose electrical/craft use

L: 6-1/4"

WT: .25

STOCK #	DESC.	1EA
17494-TL	6" Stainless Diagonal Cutter	\$3.50

STAINLESS BENT NOSE

Corrosion resistant stainless steel.
Last 1/2" of nose bent 90deg.
Cushioned dipped vinyl grips, leaf springs,
General purpose electrical/craft use

L: 6-1/2"

WT: .3

STOCK #	DESC.	1EA
17495-TL	Stainless Bentnose Pliers	\$3.50

CABLE CUTTER

11" Heavy Cable Cutter
Features: Ratchet Handle
with Release, Cushioned
Grips. Soft Copper &
Alum. Wire to 1.75" Dia.

L: 11"

WT: 2

STOCK #	DESC.	1EA	5EA
11710-TL	Heavy Duty Cutters	\$98.79	\$89.95
11711-TL	Rep. Moving Blade	\$32.49	\$29.95
11712-TL	Rep. Fixed Blade	\$38.99	\$36.95

CABLE CUTTER

8" Heavy duty cutter for cutting
soft copper wire up to 2/0 or
communication cable up to 100
pairs. Not for hard drawn copper
wire, steel core or steel
supported coax cable.

WT: .8

STOCK #	DESC.	1EA	5+EA
12571-TL	Heavy Cable Cutter	\$10.50	\$9.95

ADJUSTABLE CUTTER STRIPPERS

Adjustable Wire Cutter / Stripper Features:
Spring Loaded, Cushioned
Grips, Screwdriver Adjustable. Handle
color may vary. Adj for AWG 10-30 Wire

L: 5-1/2"

WT: .2

STOCK #	DESC.	1EA	5EA
11714-TL	Cutter/Stripper	\$3.69	\$3.35

DB CONNECTOR PIN CRIMP TOOL

Multi Purpose Crimp Tool
Features: Cushioned Grips.
Use: Crimping Open (stamped) D-Sub Pins,
Terminal Lugs. For 14-26 AWG Wire,
NOTE: Will not crimp High Density DB Pins.

WT: .6

STOCK #	DESC.	1EA	10EA
11763-TL	Multi Crimp Tool	\$9.95	\$7.95

DB CRIMP PIN EXTRACTOR

Tool used to extract crimp pins from insertion type DB
connectors. Double ended For Pin & Socket type connectors
(16251-PL - 16262-PL)

WT: .03

STOCK #	DESC.	1EA
17124-TL	DB-Crimp Pin Extractor	\$4.75

TOOLED PIN CRIMPER

Crimp tool for machined type insert Contacts.
Features: Spring Loaded, 4 Indent Crimp Pattern. For 20-
26AWG wire, D-Sub, MS Barrel Type Contacts.

WT: .6

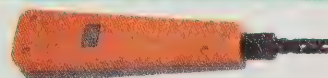
STOCK #	DESC.	1EA	5EA
15534-TL	Machined Pin Crimper	\$34.95	\$32.95

GENERAL PURPOSE CRIMPER

All in One Crimp Tool
Features: Cushioned Grips.
Cuts 4-40, 6,8,10-32 & 10-24 bolts, Wire Cutter, Crimps
Ins. & Non Ins. Terminals

WT: .6

STOCK #	DESC.	1EA	10EA
11764-TL	All-N-One Tool	\$5.95	\$5.45



PUNCH DOWN TOOL

HT110B Punchdown Tool Handle with Type 110 blade
Features: Hi-Lo Spring Loaded Impact, Blade Storage.
Use: Tool for solid conductor wire on Type 110 blocks.
Reversible blade for looping or cutoff.

WT: .4

STOCK #	DESC.	1EA
18262-TL	110Punch Down Tool	\$9.95

MOD PLUG CRIMPER

Heavy Duty MOD Plug
Crimp Tool
Features: Cushioned Grips, Ratchet
Action, 2 Cavity, Cutter/stripper for Flat & Round Cable
Crimps RJ-11/12 & 45 Plugs.

WT: .8

STOCK #	DESC.	1EA	5EA
11751-TL	RJ Plug Crimper	\$25.99	\$24.95

HEMOSTATS

Stainless steel multi-purpose hemostats. Serrated tip, clip lock,
ideal for holding small components.



STOCK #	DESC.	1EA	5+EA
3857-TL	3.5" Straight Hemostat	\$2.00	\$1.69
3858-TL	3.5" Curved Hemostat	\$2.00	\$1.69
3859-TL	5" Straight Hemostat	\$2.00	\$1.69
3860-TL	5" Curved Hemostat	\$2.00	\$1.69

MINI PLIERS

Drop forged, 4-1/4" overall mini Slip-Joint (AKA "Gas") pliers with
7/8" long serrated nose & cushion grip handles.

L: 4-1/4"

WT: .15

STOCK #	DESC.	1EA
18281-TL	Mini Slip-Joint Pliers	\$1.95

60 cc SYRINGE

Medical Plastic syringe designed to "Irrigate" wounds, provide food
for feeding tubes, nurse animals
etc. Holds around 2oz (60cc). Transparent plastic with
both oz. and cc graduations.

L: 8"

WT: .08

STOCK #	DESC.	1EA
18748-MI	60cc Syringe	\$0.95

3 mL SYRINGE

Medical Plastic 3mL/CC syringe.
Uses standard Luer Lock needles (not
Supplied). Transparent plastic with mL graduations.
Not sterile.

L: 3-5/8"

WT: .01

STOCK #	DESC.	1EA
18749-MI	3mL Syringe	\$0.20

20 mL SYRINGE

Medical Plastic 20mL/CC syringe. Uses standard Luer
Lock needles (not Supplied). Transparent plastic with mL
graduations. Not sterile.

L: 5"

WT: .04

STOCK #	DESC.	1EA
18905-MI	20mL Syringe	\$0.50

**SIGN-UP FOR OUR EMAIL
SPECIALS
ON MPJA.COM**

CHINESE ARMY HAMMER

Well not really Army but a Stainless Steel Multi tool that Includes: Claw Hammer, Combo Pliers with Wire Cutter, Large Knife Blade, Flat Blade & Phillips Screwdrivers, Saw, Awl, Bottle/can opener, File & Fishscale. Woven belt sheath.

L: 6-1/2" W: 3-3/8" T: 7"

WT: 1.1

STOCK #	DESC.	1EA
17543-TL	Multi-Tool with Hammer	\$7.95

SUCTION BASE TABLE VISE

Light duty table vise with aluminum body, steel screw, rails and jaw inserts. 2-3/4" wide jaw opens 2-3/4". removable rubber jaw covers. Rotates 360deg. Tilts 45deg. Non marring suction base.

L: 6" W: 6" H: 6"

WT: 3

STOCK #	DESC.	1EA
18578-TL	Vacuum Base Vise	\$19.95

STEEL TABLE VISE

Cast steel table vise with smooth jaw. 1-1/8" jaw width 3/4" jaw opening. 7/8" max table thickness. Fixed head.

H: 2" above Table top

WT: .8

STOCK #	DESC.	1EA
17890-TL	1-1/8" Steel Table Vise	\$4.95

60MM MINI TABLE VISE

Cast aluminum table vise. 2-3/8" (60mm) jaw width 1-1/2" jaw opening. 1" max table thickness. Fixed head.

WT: .94

STOCK #	DESC.	1EA
17500-TL	60mm Aluminum Table Vise	\$5.95

TABLE VISE WITH DRILL CLAMP

Cast aluminum, 3 in. table vise with adapter, designed to hold a drill. 360 deg. swivel, 90 deg. tilt, 2-1/8" max table thickness, 3-1/4" max jaw opening, Padded Jaw, Rubber pad for top of table. Interchangeable Drill clamp holds up to 1-1/12" Dia. Drill throat.

WT: 2.42

STOCK #	DESC.	1EA
17498-TL	Table Vise with Drill Clamp	\$16.95

ADJUSTABLE ANGLE TABLE VISE

Light/medium duty aluminum table vise has rubber jaw grips & allow +45° tilt from vertical & 360° swivel. 80mm jaw with swivel ball pivot. Clamps to table/bench up to 2" thick. 2" max jaw opening.

H: 10" O/A W: 5-7/8"

WT: 4.2

STOCK #	DESC.	1EA	5-EA
11240-TL	Adj. Table Vise	\$14.95	\$12.95

CABLE TIE TOOL

ELECTROFORCE #89605, Tie installation tool tightens & cuts nylon ties in one operation. For ties up to .19in. wide. Adjustment knob selects 8 tension settings.

L: 6-3/4" H: 5-3/4" T: 1"

WT: .7

STOCK #	DESC.	1EA
18353-TL	Tie Install Tool	\$4.95

STAPLE GUN

FACTORY REFERRB TO ORIG. SPECS. ARROW T2025 tackler.

Features EZ-Squeeze handle, adjustable height guide, Flat or round crown staples. Uses Arrow #25932, 256, 257 & 259 Round crown for wire; #205, 206 & 208 Flat crown for Crafts, & upholstery.

WT: 1.6

STOCK #	DESC.	1EA
18782-TL	T2025 Staple Gun	\$16.95

GIANT THERMOMETER

MFG: WIKA P/N: TI.50 series

RANGE: -20 to +120° F (2deg. Subd.)

Material: 304 Stainless

Features: 5in. Dia. Bi-metallic tank thermometer with 12in. Stem & 1/2" NPT fitting. 1% accuracy.

L: 13"

WT: 1.12

STOCK #	DESC.	1EA
18528-MI	Giant Thermometer	\$19.95

LONG REACH SCREWDRIVER SETS

Quality miniature screwdriver set contain 3 phillips & 3 flat blade. Ideal for those hard to reach places in VCR, Monitors etc. Hardened carbon steel blades

WT: .3

STOCK #	DESC.	1EA	5-EA
8083-TL	Long Screwdrivers	\$4.95	\$3.49

16PC. HOBBY KNIFE SET

Mini precision hobby knife with 13 assorted steel blades. 3 handles with 2 jaw blade lock. Large handle: 3/4" dia X 4-1/4" Aluminum body with plastic grip. Medium handle: 3/8" dia. X 4-1/4" Aluminum. Small handle: 1/4" Aluminum. For matte cutting, wood, plastic & leather carving, scoring & trimming. Includes plastic hinged storage box with magnetic strip for holding blades.

WT: .31

STOCK #	DESC.	1EA	5EA
8246-TL	16pc. Hobby Knife	\$2.95	\$2.49

REVERSABLE SCREWDRIVER

Handy, reversible blade screwdriver. #1 Philips on one end and a 3/16in. flatblade on other. Three handle accent colors, yellow, orange or blue but sorry no choice.

L: 4-3/4"

WT: .06

STOCK #	DESC.	1EA
18576-TL	Reversible Driver	\$1.00

DUAL RANGE HEAT GUN

Heat Gun with two heat ranges: 800 Watt or 1500 Watt. With control knob to vary the temperature. Low range 50-200° C, high range 200-500° C. 5ft. 3 wire power cord. 115VAC power. Includes concentrator nozzle attachment. Ideal for heatshrink tubing, paint stripping, plastic fabrication.

L: 10-1/4" W: 2-7/8" H: 8-1/4" WT: 2

STOCK #	DESC.	1EA	10-EA
15857-TL	Heat Gun	\$18.95	\$17.95

NEEDLE FILES

10 piece assortment of hobby needle files in a plastic pouch, you get round, triangular, square and flat files, with various smooth and cutting sides. Work length = 7cm (2.5").

L: 5-1/2" WT: .3

STOCK #	DESC.	1EA	5-EA
2614-TL	10Pc. Needle Files	\$4.50	\$3.95

NEEDLE FILES

10 piece assortment of hobby needle files in a plastic pouch. Includes round, triangular, square, flat files and more with various smooth and cutting sides each with plastic handle. Work length = 7cm (2.5").

L: 5-1/2"

WT: .3

STOCK #	DESC.	1EA
17535-TL	10Pc. Set Needle Files	\$2.95

NEEDLE FILES

12piece assortment of Heat treated HRC60-65 hobby needle files with plastic handles. Includes 2ea. round, 1/2 round, triangular, square, & flat files. Work length = 7cm (2.5").

L: 5-3/4"

WT: .5

STOCK #	DESC.	1EA
17594-TL	12Pc. Needle Files	\$7.95



www.briefcaseertools.com

MINI LOCK GRIP PLIERS

Drop forged jaws, 4-3/4" overall with 1-1/4" long serrated nose, Adjustable locking grip with release.

L: 4-3/4"

WT: .23

STOCK #	DESC.	1EA
16701-TL	Mini Vise Type Pliers	\$2.65

MINI LOCK GRIP PLIERS

Drop forged jaws, 4" overall with 5/8" long serrated jaw designed for gripping circular objects. Adjustable locking grip with release.

L: 4"

WT: .3

STOCK #	DESC.	1EA
16734-TL	Mini Vise Type Pliers	\$2.99

TEE" HANDLE
HEX KEYS

Plastic "T" handles with Chrome Vanadium steel blades, order S.A.E. or Metric

SAE			Metric		
3/32"	5/32"	5/16"	2mm	4.5mm	8mm
7/64"	3/16"	3/8"	2.5mm	5mm	10mm
1/8"	7/32"		3mm	5.5mm	
9/64"	1/4"		4mm	6mm	

WT: 2.8

STOCK #	DESC.	1EA	5+EA
5676-TL	SAE Hex Key Wrenches	\$7.95	\$6.95
5677-TL	Metric Hex Key Wrenches	\$9.95	\$9.65

6" DIAL CALIPER

6" Dial caliper, graduated in .001 in. for both inside & outside measurements. Made from stainless steel. Adjustable & lockable "0" set. Ideal for us who have problem reading those lines on other calipers. Includes padded, hard plastic case.

WT: .28

STOCK #	DESC.	1EA
16700-TL	6" Dial Calipers	\$17.95

6" STAINLESS
DIGITAL CALIPER

Digital caliper features selctable Inch or mm range. Hardened stainless steel with plastic cased electronics. For ID or OD measurements. "Zero" button for resetting or setting offsets. 6in/ 150mm Max. .0005"/.01mm accuracy/min. reading. Requires a 357A Button cell (Supplied). Stores in foam lined plastic case.

L: 9-1/4"

WT: .7

STOCK #	DESC.	1EA
17471-TL	6" S/S Digital Calipers	\$12.95

SAE MICROMETER

Machinist, all steel, 0-1"/.001" Caliper micrometer. Handy wood storage case with latching lid.

L: 4-3/8"

WT: .62

STOCK #	DESC.	1EA
18577-TL	1" Micrometer/Case	\$12.95

SAFETY
GLASSES

Medium duty, ANSI (Z87.1) approved plastic safety glasses. Adjustable temple length. Do not fit over all corrective lens glasses. Holes for neck cord (not included).

WT: .09

STOCK #	DESC.	1+EA
18340-TL	ANSI Safety Glasses	\$1.95

FLEXIBLE GRABBER

Long reach grabber. 18" flexible shaft with spring handle. Push handle and 4 spring steel "fingers" extend out other end. Use to retrieve small parts dropped where you can't put your arm.

L: 23"

WT: .12

STOCK #	DESC.	1EA	5+EA
7949-TL	Flex Grabber	\$1.29	\$0.99

PLASTIC HANDLE
BRUSH SET

Industrial cleaning brush set has 1 each of the following brushes: brass bristle; Nylon bristle; & Stainless steel bristle. Each 7" plastic handle brush has 1/2" long bristles in a 1-3/8" X 5/16" pattern.

L: 7"

WT: .18

STOCK #	DESC.	1EA	5+EA
7467-TL	3pc Brush Set	\$1.95	\$1.59

PLASTIC HANDLE
UTILITY BRUSHES

Curved handle cleaning brush with 3/4" long Brass bristles. Handle color varies.

L: 8" W: 7/8"

WT: .1

STOCK #	DESC.	1EA
16847-TL	Brass Utility Brush	\$1.20

PLASTIC HANDLE
BRUSH SET

Industrial cleaning brush set has 1 each of the following brushes: Brass bristle; Nylon bristle; & Stainless steel bristle. Each brush has 1/2" long bristles in a 1-1/4" X 5/16" pattern. Shaped handle for comfort & leverage.

L: 6-3/4"

WT: .24

STOCK #	DESC.	1EA
18915-TL	3pc. Brush Set	\$1.95

5PCS. PRECISION
TAMPER PROOF
DRIVERS

Quality miniature tamper proof Star driver sets contain T-6, T-7, T-8, T-9 & T-10 sizes. Handles have free spinning finger caps. Plastic handles with Nickel-chrome molybdenum steel bits. Includes plastic storage case.

L: 4-3/8"

WT: .18

STOCK #	DESC.	1EA	5+EA
12093-TL	5Pc. T/P Star Drivers	\$6.95	\$5.95

MINI SCREWDRIVERS

Miniature screwdriver sets contain 2 Phillips(#0 & #1), 4 flat blade (1.4,2.0,2.4 & 3mm) in a plastic case. Free spinning finger caps. Ideal for glasses, watches, or electronics.

WT: .3

STOCK #	DESC.	1+EA	5+EA
2039-TL	Mini Screwdriver Set	\$2.49	\$1.98

PRUNING
SHEARS

General purpose pruning shears feature precision ground stainless steel blades, spring loaded plastic handles and locking arm. 3/8" max cutting Dia. 1-3/8" cutting length.

L: 8" O/A

WT: .26

STOCK #	DESC.	1EA
17378-TL	8" Pruning Shears	\$1.69

CRAFT SCISSORS

General purpose craft scissors feature precision ground, hardened stainless steel blades with one blade serrated, plastic handles. Pointed nose. 1" cutting length.

L: 4-1/4"

WT: .07

STOCK #	DESC.	1EA
17656-TL	4-1/4" Craft Scissors	\$0.99

HEX
BIT DRIVER

FOR A LIMITED TIME
RECEIVE A FREE 4 PIECE
BIT SET!
While supplies last.

Cordless driver for 1/4" (6.35mm) HEX shaft Bits. 130RPM, Uses 4 "AA" cells (not supplied)

L: 8-1/4" DIA: 1-5/8"

WT: .55

STOCK #	DESC.	1EA
18706-TL	HEX Bit Driver	\$8.95

CORDLESS
ROTARY TOOL

9.6V Cordless high speed rotary tool. Packaged for sanding pet nails. Accepts all 1/8"bits & mandrils normally used with hobby rotary tools. 8000-20000RPM. Supplied with 3 sanding tubes, tube mandril, chuck wrench and charging stand.

L: 9-1/4" DIA: 2-1/8"

WT: 1.7

STOCK #	DESC.	1EA
18931-TL	Cordless Rotary Tool	\$9.95

DENTAL MIRROR

Disposable dental mirror. Plastic handle with 3/4" dia mirror. Approx. 30° handle to mirror angle. Ideal tool for examining electronic equipment or do-it-yourself root canals.

L: 6"

WT: .02

STOCK #	DESC.	1EA
17907-TL	Disposable Dental Mirror	\$0.79

POINTED TWEEZERS

Sharp point tweezers with fiber finger grips. Ideal for picking up small components or parts.

L: 6-1/2"

WT: .06

STOCK #	DESC.	1EA
17619-TL	Sharp Nose Tweezers	\$1.59

8 IN 1 PRECISION
SCREWDRIVERS

Quality miniature screwdriver set contains 4 double ended hardened steel bits with Phillips on one end & flat blade on other as follows: 000P/2mm, 00P/ 2.5mm, 0P/3mm, 1P/4mm. Bits store in the plastic handle.

L: 4-3/4"

WT: .08

STOCK #	DESC.	1EA
17011-TL	8/1 Mini Screwdrivers	\$1.99

7PCS.
PRECISION
SCREWDRIVERS

Quality miniature screwdriver set contain: 00, 0, 1 Phillips, 1.4mm, 2.4mm, 3.0mm Flat Blade sizes. Handles have free spinning finger caps. Plastic handles with steel bits. Includes slide top plastic storage case.

L: 4-3/8"

WT: .32

STOCK #	DESC.	1EA
17010-TL	7Pc. Mini Screwdrivers	\$3.95

THOUSANDS MORE ITEMS
ON MPJA.COM

**MASONRY
DRILL SET**

4 pc. Industrial type bits with carbide tips for drilling through concrete walls, floors, & blocks. Set contains 1/4" 5/16", 3/8", and 1/2". 1/2" bit is turned to fit 3/8" drill chucks.

L: 12"

WT: .9

STOCK #	DESC.	1EA	5+EA
8209-TL	4pc Masonary Drills	\$7.95	\$6.95

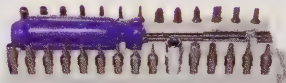
39PCS. SAE BIT/SOCKET SET

Magnetic driver handle and 37 bits/sockets in a spill resistant carry box. Includes the following sizes: 1/8" 5/32", 3/16", 1/4" flat blade #0, 1, 2 & 3 Phillips #1, 2 & 3 Square #10, 15, 20, 25, 27, 30, 40 Star 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" Hex 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 15/32", 1/2" sockets Hex to 1/4" & 1/4" to Hex drive adapters.

L: 1" Bit

WT: 1.2

STOCK #	DESC.	1EA	5+EA
12097-TL	39Pc. SAE Driver Bits	\$12.95	\$11.95

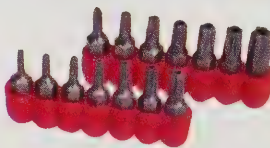
**30PCS. DRIVER SET
WITH TAMPER PROOF STAR BITS**

Magnetic driver handle and 28 bits all in a spill resistant carry box. Includes the following sizes: 7, 8, 9, 10, 15, 20, 25, 27, 30 & 40 Tamper resistant Star; 5/32", 3/16", 1/4" flat blade, #1, 2 & 3 Phillips; 0, 1, 2 & 3 Square; 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4" Hex; Hex to 1/4" & 1/4" Hex drive adapters. Ideal for bench or tool box.

L: 1" Bits

WT: .82

STOCK #	DESC.	1EA	5+EA
12086-TL	30Pc. Set/Star Bits	\$24.95	\$22.95

**TAMPER
RESISTANT
STAR BITS**

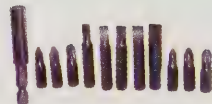
Used as security fasteners in equipment. 1/4" driver bits fit in ratchets, drills, handles etc. Available in following sets.

A: Tamper resistant Star Sizes: T-7, 8, 9, 10, 15, 20, & 25

B: Tamper resistant Star Sizes: T-10, 15, 20, 27, 30, & 40

WT: 3

STOCK #	DESC.	1EA	5+EA
8551-TL	"A" Tamper Star Bits	\$3.95	\$3.49
8552-TL	"B" Tamper Star Bits	\$3.95	\$3.49

11PC. DRIVE BITS

Magnetic 1/4" Hex drive adapter and 11 bits. Includes the following sizes:

Flat blade: 0.6 X 4.5, 0.8 X 5.5, 1 X 6.5, 1.2 X 6.5, 1.6 X 8mm Phillips: #1, 2 & 3

Pozi: #1, 2, 3

1/4" X 2-3/8" magnetic bit holder.

L: Flat: 1-1/2" Phil & Pozi: 1"

WT: .44

STOCK #	DESC.	1EA	5+EA
11957-TL	11pc. Drive Bits	\$2.95	

**100 PIECE
BIT SET**

Vast assortment of hard top locate drive bits.

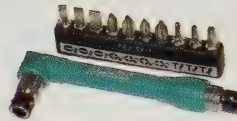
Chrome/Vanadium steel bits 1" long

Set includes:

9pc Flat Blade 5 pc. Security HEX
8pc Phillips8 Positive Drive
HEX mm 9pc Star mm
3pc XZN mm 4pc Square
3pc Torque set 4 pc Spanner
4 pc Tri-wing 9pc Security Star
3pc Clutch Drive 1pc Wingnut (5,6,8mm)
1/4" Sq to 1/4Hex 1/4" to 1/4Hex Socket
1/4" mag. bit holder Plastic storage Case
SEE WEB FOR DETAILS

WT: 1.7

STOCK #	DESC.	1EA	5+EA
18571-TL	100pc. Drive Bit Set	\$7.95	

**DOUBLE
ENDED TOOL
SET**

11 Pcs. DriverTool set.

Set includes:

Double end/right angle non rattaching handle

T-10, 15 & 20 bits

5,6,7mm Flat blade bits

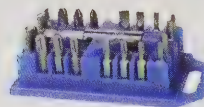
#1 & 2 Philips bits

#1 & 2 8 pt. Philips

L: 4-1/4" X 1-3/8" "L" Handle

WT: .4

STOCK #	DESC.	1EA	10+EA
15243-TL	Double End Driver	\$8.95	\$7.95

**22PCS.
POWER
BIT SET**

Magnetic Hex drive adapter and 20 bits all in a spill resistant carry box. Includes the following sizes:

1/8", 3/16", 1/4" flat blade #1, 2 & 3 Phillips

1, 2 & 3 Square 10, 15, 20, 25, 27, 30 & 40 Star

1/8", 3/16", 7/32" & 1/4" Hex

1/4" X 2-1/2" magnetic bit holder. Ideal for bench or tool box.

L: 1" Bit

WT: .44

STOCK #	DESC.	1EA	5+EA
12088-TL	22Pc. Driver Bits	\$7.95	\$6.95

**33 PIECE
SECURITY BIT SET**

Set includes:

8 pc. security HEX

12pc security Torx

4 pc Spanner

4 pc Tri-wing

4 Phillips

1/4" mag. bit holder

plastic storage holder

WT: .54

STOCK #	DESC.	1EA	5+EA
12579-TL	Security Bit Set	\$14.99	\$13.75

**20PC.
DRIVER BIT SET**

20pc. driver set contains:

7 sockets: 5,6,7,8,9,10, 11mm

4 Slotted: 2X 4mm, & 2X 7mm

4 Phillips: 2X #0, 2X #2

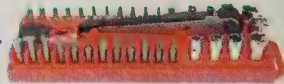
4 Star: 2X T15, 2X T20

1 Magnetic Bit Holder

L: Bits: 1" Sockets: 1-3/8"

WT: .5

STOCK #	DESC.	1EA	5+EA
17891-TL	20 Pc. Driver Set	\$3.95	

**37PCS.
RACHET SET**

Includes, dual function ratchet handle (socket drive & Bit driver), stubby ratchet screwdriver handle, 5-3/4" O/A flex extension, 1/4" X 2-1/2" magnetic bit holder & 33 bits in a spill resistant carry box. Includes the following bits:

1/8", 3/16", 1/4" flat blade: #1, 2 & 3 Phillips

0, 1, 2 & 3 Square; 10, 15, 20, 25, 27, 30 & 40 Star

5/64", 1/8", 3/16", 7/32", 1/4" & 5/16" Hex

3/16", 7/32", 1/4", 5/16" 11/32", 3/8", 7/16", 15/32", 1/2"

Sockets & Hex to 1/4" drive adapter

L: 1" Bits

WT: 1.5

STOCK #	DESC.	1EA	5+EA
12094-TL	37Pc. Ratchet Set	\$19.95	\$17.95

**30PCS.
DRIVER
BIT SET**

Magnetic driver handle and 28 bits all in a spill resistant carry box. Includes the following sizes:

1/8" 5/32", 3/16", 1/4", 9/32 flat blade;

#0, 1, 2 & 3 Phillips #1, 2 & 3 Square

#10, 15, 20, 25, 30 & 40 Star;

5/64", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4", 5/16" Hex

Hex to 1/4" & 1/4" to Hex drive adapters.

L: 1" Bits

WT: .92

STOCK #	DESC.	1EA	5+EA
12096-TL	30Pc. Driver Bits	\$12.95	\$11.95

**11PC COMPUTER
REPAIR KIT**

Basic tool kit

Includes:

IC extractor, tweezers

1/4" & 3/16" nut drivers,

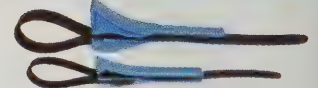
#0 & #1 Phillips

3/16" & 1/8" Flat Blade screwdrivers, T-15 Star driver, 3

prong gripper, 5" X 3/4" [Dia] parts container. Zipper carry case.

WT: .7

STOCK #	DESC.	1EA	5+EA
14053-TL	Computer Tool Kit	\$7.95	\$6.95

**STRAP
WRENCH**

Strap wrenches with plastic handle and rubber strap. Small for use on objects up to 5". Strap is 1/2" wide X 3/32" thick with 5-1/2" long handle. Larger size for objects up to 7". Strap is 3/4" wide X 3/16" thick with 8" handle

Small

WT: .25

Larger

WT: .55

STOCK #	DESC.	1EA	5+EA
14390-TL	6" Strap wrench	\$2.95	\$2.49
14391-TL	8" Strap Wrench	\$3.79	\$3.25
14455-TL	Both Strap Wrenches	\$5.95	\$4.95

**200PCS CABLE
TIE & CUTTER**

Assortment of multi colored 3" cable ties with a cushion handle cable/tie cutter. Ideal for tagging cables or bundling up wire or cable feeds.

WT: .34

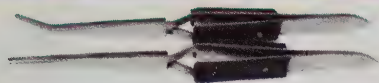
STOCK #	DESC.	1EA	5+EA
12089-TL	200Pc. Cable Ties	\$4.49	\$3.95

**MINI
REAMERS**

4 piece assortment of Diamond coated reamers. Includes Long taper (5cm), Medium, Fine Taper (3cm), Short, Fat Taper (1.5cm), Bullet, counter sink shape (1.4cm). Long tapered plastic 7.2cm handles. For plastic & wood beads, soft gemstones, modeling etc.

WT: .09

STOCK #	DESC.	1EA	5+EA
18179-TL	3Pc. Set Diamond Reamers	\$2.95	



HEAVY DUTY TWEEZERS

Stainless steel industrial tweezers with fiber grips. Standard pointed nose or bent nose to lower fatigue. Ideal for picking up small components or parts. Squeeze to open.

L: 6-1/2" WT: .08

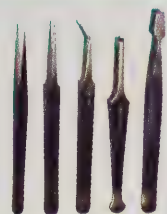
STOCK #	DESC.	1EA	5+EA
4979-TL	Bent Nose Tweezers	\$1.95	\$1.59
8249-TL	Straight Nose Tweezers	\$1.95	\$1.69

STAINLESS STEEL TWEEZERS

5 piece assortment of stainless steel tweezers in a plastic hanging pouch. Includes: needle, spade, bent, blunt & flat.

L: 4-1/8" to 4-5/8" WT: .15

STOCK #	DESC.	1EA
17538-TL	5Pc. Stainless Tweezers	\$3.95



MAGNETIC TOOL BAR



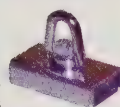
24" Magnetic tool bar. Designed to attach to wall or bench and hold screwdrivers, wrenches, pliers or any steel item. Magnet Length: 22"

L: 24" W: 1" H: 1/2" WT: 2.4

STOCK #	DESC.	1EA
18280-TL	Magnet Tool Bar	\$12.95

PICK-UP MAGNET

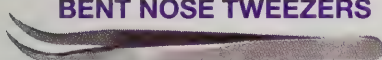
Magnet with an "Eye" loop used to retrieve iron & steel items. Will lift in excess of 6lbs.



L: 1-7/8" W: 1" H: 1-1/2" WT: .25

STOCK #	DESC.	1EA
18279-MG	Pick-Up-Magnet	\$1.99

BENT NOSE TWEEZERS



Stainless steel tweezers with the last 3/4" of the pointed tip bent at approx. 45deg. Tip Not serrated.

L: 5" WT: .06

STOCK #	DESC.	1EA	10+EA
17007-TL	Bent Pointed Tweezers	\$2.95	\$2.49

STAINLESS TWEEZERS



Stainless steel, sharp point, industrial tweezers. Available either standard straight or curved for lower fatigue. Ideal for picking up small components or parts.

WT: .08

STOCK #	FIG	DESC.	1EA	10+EA
16039-TL	A	5" Straight Nose	\$2.95	\$2.49
17007-TL	B	5" Curved Nose	\$2.95	\$2.49
17022-TL	C	4-3/8" Straight Nose	\$2.95	\$2.49
17023-TL	D	4-3/8" Cutback Nose	\$2.95	\$2.49
17024-TL	E	5-3/8" Straight Nose	\$2.95	\$2.49

STAINLESS CHISEL SET



6 piece assortment of stainless steel hobby chisels. For working wood, unfired clay or epoxies. Includes plastic storage pouch.

L: 5-7/8" WT: .33

STOCK #	DESC.	1EA
17613-TL	6 Pc. Set Chisel Set	\$5.95

SHARP POINTED TWEEZERS



Very Sharp pointed Stainless Steel tweezers. Ideal for picking up small components or parts.

L: 4-3/4" WT: .03

STOCK #	DESC.	1EA
17126-TL	Sharp Pointed Tweezers	\$2.95

SPRING HOOK TOOLS



Stainless steel hook style picks used to attach & detach springs and also to untangle jewelry chains.

Tip Style "A": last 3/8" bent 60deg.

Tip Style "B": last 1/2" reverse bend with 1/2 circle loop

L: 7" WT: .05

STOCK #	DESC.	1EA	10+EA
15236-TL	Spring Hook Tip "A"	\$0.79	\$0.63
15237-TL	Spring Hook Tip "B"	\$0.79	\$0.63

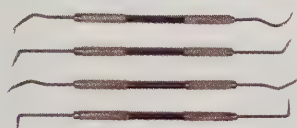
STAINLESS STEEL PICKS

12 piece assortment of double ended stainless steel hobby picks in a plastic pouch. Various shapes with knurled grips.

L: 6-1/2" WT: .6

STOCK #	DESC.	1EA	5+EA
14388-TL	12Pc. S/S Picks	\$6.95	\$5.95

HOBBY PICKS



4 piece assortment of double ended steel sharp point, hobby picks. Various shapes with knurled grips.

L: 6-1/2" - 7-1/4" WT: .19

STOCK #	DESC.	1EA
17917-TL	4Pc. Hobby Steel Picks	\$1.95

HEAVY DUTY TWEEZERS



Dip coated plastic grip industrial tweezers. Serrated bent nose to lower fatigue. Ideal for picking up small components or parts. Squeeze to open.

L: 6-3/4" WT: .09

STOCK #	DESC.	1EA
17618-TL	Bent Nose Tweezers	\$1.95

EXAM MIRRORS



Dental style mirrors. 4-1/4 in long steel (NOT STAINLESS) knurled handle. 30 deg. Angled mirror head.

2 diameters available: 25mm & 30mm

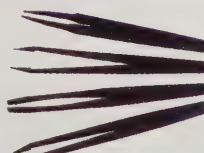
L: 6-1/4" O/A WT: .051/.1

STOCK #	DESC.	1EA
17379-TL	25mm Exam Mirror	\$0.69
17380-TL	30mm Exam Mirror	\$0.89

ANTI STAT TWEEZER SET

Black Antistatic, non-magnetic, non-marring plastic tweezer set.

1ea as follows:
pointed tip,
1/8" flat jaw tip
1/8" rounded tip
1/4" flat tip



L: 4-3/4" W: 5/16" O/A WT: .08

STOCK #	DESC.	1EA
17623-TL	4pc. Antistatic Tweezers	\$3.95

RETRIEVING MAGNETS

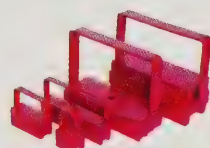


Magnet assemblies used to hold or retrieve steel objects. Cased magnets with Eye bolt for the attachment of rope, cable or as a hold down +for equipment.

12961-MG up to 40lb	2"X 2" X 1/2"	WT: .43
12962-MG up to 100lb	2"X 2" X 1"	WT: .8
12963-MG up to 150lb	5"X 2" X 1"	WT: 1.8
12964-MG up to 225lb	5"X 2" X 2"	WT: 3.8

STOCK #	DESC.	1EA	5+EA
12961-MG	40lb Retrieiv. Magnet	\$7.95	\$6.95
12962-MG	100lb Retrieiv. Magnet	\$10.95	\$8.95
12963-MG	150lb Retrieiv. Magnet	\$15.95	\$14.95
12964-MG	225lb Retrieiv. Magnet	\$29.95	\$22.95

HANDLE MAGNETS

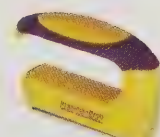


Magnet assemblies used to hold or retrieve steel objects. Cased magnets with metal handle

12956-MG up to 25lb	1-1/16"X 3/4" X 2-1/4"	WT: .22
12957-MG up to 50lb	2"X 3/4" X 2"	WT: .4
12958-MG up to 100lb	4"X 3/4" X 2-1/4"	WT: .75
12959-MG up to 150lb	5"X 2" X 5-1/2"	WT: 2.4
12960-MG up to 225lb	5-1/4" X 2" X 4-1/2"	WT: 4.6

STOCK #	DESC.	1EA	5+EA
12956-MG	25lb Handle Magnet	\$5.95	\$4.95
12957-MG	50lb Handle Magnet	\$7.95	\$6.95
12958-MG	100lb Handle Magnet	\$10.95	\$8.95
12959-MG	150lb Handle Magnet	\$17.95	\$13.95
12960-MG	225lb Handle Magnet	\$34.95	\$26.95

LIFTING MAGNET



Handy, hand held Magnet assembly used to hold or retrieve steel objects. Plastic Cased magnet with easy grip handle. Approx. 100lb lift of flat mild steel plate. Includes steel "Keeper" plate to protect magnet.

L: 5" W: 1-1/8" H: 3-1/2" WT: 1

STOCK #	DESC.	1EA
18771-MG	Lift Magnet	\$7.95

PLASTIC PARTS BOXES

A

B

Semi transparent, flexible plastic boxes with multiple compartments. For screws, fish hooks, LED's, Transistors, Resistors etc. 6-1/8" L X 3-1/2" W X 1-1/8" D overall.

A: 12 compartments: All measure 7/8" wide X 1-3/8" long X 7/8" deep.

B: 10 total compartments: 2 measure 7/8" wide X 2-3/4" long X 1" deep. 8 measure 7/8" W X 1-3/8" L X 1" D

L: 6-1/8" W: 3-1/2" T: 1-1/8" WT: .17

STOCK #	DESC.	1EA	10+EA
6479-BX	12 Compartment Box	\$1.85	\$1.69
5994-BX	10 Compartment Box	\$1.75	\$1.59

PLASTIC PARTS BOX

Semi transparent, flexible plastic box with multiple compartments. For screws, fish hooks, LED's, Transistors, Resistors etc. Latch holds lid closed.

5 compartments that run length of box: 3 measure 7/8" wide X 6-3/4" long X 3/4" deep. 2 others are 7/8" wide X 3-3/8" long.

10 compartments that all measure 1-5/16" wide X 1-11/16" long X 3/4" deep.

L: 7" W: 3-3/4" T: 1-1/4" WT: .14

STOCK #	DESC.	1EA
17614-BX	5 Compartment Box	\$2.59
17616-BX	10 Compartment Box	\$1.99

PLASTIC PARTS BOX

Hard, clear plastic box with multiple compartments. For screws, fish hooks, LED's, Transistors, Resistors etc.

18 compartments measure 1-1/4" sq. X 1-1/8" deep.

L: 8-1/4" W: 4-1/4" T: 1-3/8" WT: .34

STOCK #	DESC.	1EA	25+EA
16042-BX	Small 18 Comp. Box	\$1.95	\$1.49

SUPER SLEUTH MAGNIFIER

5in. Dia. Magnifier with metal handle & Glass lens. 3X Magnification

L: 10-1/4" Dia: 5" WT: .9

STOCK #	DESC.	1EA
17874-LN	5in. Dia. Hand Magnifier	\$6.95

4" MAGNIFIER

4in. Dia. Magnifier with padded plastic handle & Glass lens. 3X Magnification

L: 8-5/8" Dia: 4-1/4" WT: .52

STOCK #	DESC.	1EA
18911-LN	4in. Dia. Hand Magnifier	\$1.95

LIGHTED POCKET MAGNIFIER

Pocket mini microscope with white mini LED illumination. 45X magnification. Glass lens in plastic housing. Slide action switch. Uses 3 "LR927" coin cells (supplied.) & fake leather case. Ideal for collectors, jewelers, electronic repairs.

L: 1-3/4" WT: .05

STOCK #	DESC.	1EA
17967-TL	Pocket Mini Microscope	\$3.95

DESK LAMP & MAGNIFIER

Adjustable desk/bench lamp with 4" dia, 2X lens. Circular "Cool White" fluorescent lamp surrounding the lens. 2 joint arm allows for multi-positions. Max parallel surface elevation approx. 13". 6ft. 115VAC cord, power switch on base. Ideal for collectors, jewelers, electronic repairs.

WT: 3.1

STOCK #	DESC.	1EA
17663-TL	Desk Lamp/2X Magnifier	\$24.95

DESK LAMP & MAGNIFIER

Adjustable desk/bench lamp with 3-1/4" dia, 5X lens. Circular 60 White superbrite LEDs surrounding the lens. 10in. "goose neck" allows for multi-positions. 6ft. 115VAC cord, power switch on base. Ideal for collectors, jewelers, electronic repairs.

WT: 2.9

STOCK #	DESC.	1EA
17927-TL	White LED Lamp/Magnifier	\$29.95

DESK MAGNIFIER

2.5X magnifier with fully articulated neck, 90 X 45mm rectangular graded plastic lens. Lighted by 3 white LEDs mounted in on end. Slide power switch on top face. 4-3/4" Dia. Base, 5-1/4" X 3-3/4" lens assembly. Max neck height: 9in. Requires 2 "AAA" batteries (Not Included).

WT: 1.6

STOCK #	DESC.	1EA
17493-LN	LED Lighted Magnifier	\$6.95

MINI LIGHTED MAGNIFIER

Pocket magnifier with 2 white mini LED for illumination. 30X magnification. Slide action switch. Uses 3 "LR927" coin cells (supplied.) Includes mini spanner to access batteries & Padded plastic box. Ideal for collectors, jewelers, electronic repairs.

L: 2-1/8" W: 1-3/8" T: 1" WT: .2

STOCK #	DESC.	1EA
17930-LN	30X Mini Lighted Magnifier	\$3.99

FOLDING POCKET MAGNIFIERS

Folding 20X magnifier. Folds into 1-3/8" x 1-1/8" protective case. Ideal for school, or reading the fine print on your insurance.

L: 1-3/8" W: 1-1/8" T: 1/2" WT: .04

STOCK #	DESC.	1EA
18585-LN	20X Folding Magnifier	\$1.95

3X LIGHTED MAGNIFIER

Lighted Handheld 3X magnifier with 2 superbright white LEDs. Plastic body with 3" dia. glass lens. Requires 3 "AAA" cells (Not Supplied). 2 Position Slide switch on top.

L: 6-3/4" Dia: 3-1/4" T: 1" WT: .3

STOCK #	DESC.	1EA
18922-LN	3X Lighted Hand Magnifier	\$3.95

LIGHTED 3 LEVEL MAGNIFIER

Flip up magnifier with adjustable headband & 3 levels of magnification. 1st. level is 1.5X, 2nd. lens folds down to increase magnification by 1.5X, 3rd. Lens rotates down over Right eye to increase magnification by 7.5X. Dual LEDs provide illumination. Do not interfere with eye-glasses, & flip up out of the way without removing from head. Requires 2"AAA" cells (Not Included)

WT: .5

STOCK #	DESC.	1EA
18336-TL	3 Level Magnifier	\$6.95

BINOCULAR MAGNIFIERS

5X magnifier with adjustable padded headband. Optical grade Acrylic lens. Do not interfere with eye or safety glasses. Flip up out of the way without removing from head. Made in USA.

WT: .41

STOCK #	DESC.	1EA
17653-TL	USA Binocular Magnifier	\$12.95

2.5X BINOCULAR MAGNIFIERS

Professional OVP, 2.5X magnifier with adjustable padded headband. 8in. Focal length. Optical glass lens. Do not interfere with eye or safety glasses. Flip up out of the way without removing from head. Made in USA.

WT: .55

STOCK #	DESC.	1EA
17654-TL	OVP 2.5X Binocular Magnifier	\$49.95

TABLE TOP MAGNIFIER

5X magnifier with glass lens & plastic base. 2-1/2" X 1-7/8" lens. Base open on 1 side. Ideal for stamps, coins or jewelry work.

W: 3-3/16" D: 2-5/8" H: 2-7/8" WT: .7

STOCK #	DESC.	1EA
16703-LN	Table Top Magnifier	\$2.50

DUAL LENS MAGNIFIER

10X Plastic eye loupe with dual lens. Removable lower lens for less mag. but wider field. Used to do watch & jewelry repair, and to check circuit boards.

Dia: 1-1/2" T: 1-1/2" WT: .03

STOCK #	DESC.	1EA
17283-LN	Dual Lens Eye-Loupe	\$1.95

DESK TOP MAGNIFIER

Adjustable desk/bench magnifier with 4.5" dia, 2X lens. 10in. "goose neck" allows for multi-positions. Ideal for collectors, jewelers, electronic repairs.

WT: 2.2

STOCK #	DESC.	1EA
16725-LN	Desk Top Magnifier	\$9.95

LIGHTED HAND MICROSCOPE

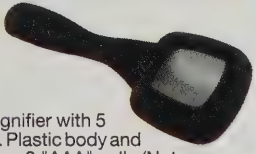
30X hand held magnifier with adj. focus and light source. Requires 2 "AA" cells (not included). Black plastic case with clear plastic end for added illumination. Soft plastic carry pouch.



L: 5-3/8"	W: 1-7/8"	T: 15/16"	WT: .18
STOCK #	DESC.	1EA	
16813-OP	Handheld Microscope	\$4.95	

LIGHTED MAGNIFIER

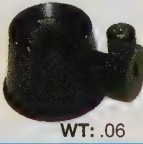
Lighted Handheld 4X magnifier with 5 white LEDs and a UV LED. Plastic body and 2" X 2" glass lens. Requires 2 "AAA" cells (Not Supplied). 3 Position Slide switch on top.



L: 8"	W: 3-3/8"	H: 1"	WT: .3
STOCK #	DESC.	1EA	
18586-TL	4X Lighted Hand Magnifier	\$6.95	

LIGHTED EYE LOUPE

10X power, plastic eye loupe with a super bright white LED. Uses single Coin Cell (included).



L: 1-3/8"		WT: .06
STOCK #	DESC.	1EA
17651-LN	Lighted Eye Loupe	\$2.49

LIGHTED MAGNIFIER

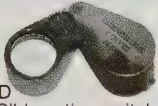
Close focus (35mm) Handheld 10X magnifier with plastic case and plastic circular lens. Required 2 "C" cells (Not Supplied). Replaceable incandescent bulb. Slide switch on top.



L: 8"	WT: .3	
STOCK #	DESC.	1EA
17491-LN	Hand Held Magnifier	\$3.50

MINI LIGHTED MAGNIFIER

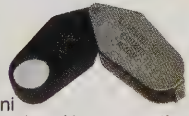
Pocket magnifier with 2 white mini LED for illumination. 20X magnification. Slide action switch. Uses 3 "LR927" coin cells (supplied). Includes mini spallier to access batteries & Padded plastic box. Ideal for collectors, jewelers, electronic repairs.



L: 1-7/8"	W: 1"	T: 1"	WT: .23
STOCK #	DESC.	1EA	
17593-LN	Mini Lighted Magnifier	\$7.95	

LIGHTED POCKET MAGNIFIER

Pocket magnifier with a white mini LED for illumination. 10X magnification. Alternate action switch. Uses 3 "LR1130" coin cells (supplied). Includes mini screwdriver & Padded plastic box. Ideal for collectors, jewelers, electronic repairs.



L: 2-3/4"	W: 1-1/4"	T: 7/8"	WT: .24
STOCK #	DESC.	1EA	
17592-LN	Lighted Pocket Magnifier	\$4.92	

LIGHTED MAGNIFIER

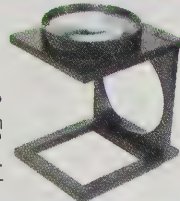
3X power, pocket sized, plastic magnifier with a super bright mini white LED. Uses single Coin Cell (included).



L: 3-3/8"	W: 2-1/4"	T: 5/16"	WT: .073
STOCK #	DESC.	1EA	
17652-LN	Lighted Card Magnifier	\$1.95	

GIANT FOLDING LENS

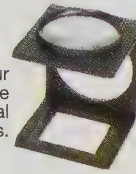
Folding magnifier with a quality 4" Dia. glass lens. 7" tall when open & 1-5/8" folded. 6-1/2" X 5-1/4" open bottom has inch/cm scales. Ideal for collectors, jewelers, electronic repairs.



L: 6-1/2"	W: 5-1/4"	T: 7"	WT: 1
STOCK #	DESC.	1EA	5+EA
0079-LN	Giant Folding Lens	\$6.95	\$5.95

SMALLER FOLDING LENSES

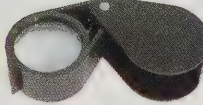
Smaller and more compact than our Giant lens, these folding magnifiers have open bottom with inch/cm scales. Ideal for collectors, jewelers, electronic repairs.



14042-LN	Small Folding Lens	\$1.95	\$1.39
14043-LN	Medium Folding Lens	\$2.49	\$1.69

FOLDING POCKET MAGNIFIERS

Folding 10X magnifier. Folds into 3-1/2" x 2-1/2" protective case. Ideal for school, or reading the fine print on your insurance.



L: 3-1/2" W: 2-1/2"		WT: .3	
STOCK #	DESC.	1EA	5+EA
8251-LN	Folding Magnifier	\$5.95	\$4.95

EYE LOUPE MAGNIFIERS

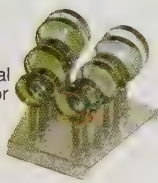
Plastic eye loupes used to do watch & jewelry repair, and to check circuit boards.



Dia:1-1/2"	T: 1-1/4"	WT: .03	
STOCK #	DESC.	1EA	5+EA
7433-LN	10X Eye Loupe	\$1.95	\$1.49

MAGNIFIER SET

12 Pc. set of Magnifiers with Metal handles & glass lens. Perfect for schools, Labs, Retail. Includes 4pcs. each as follows:
10X 2in. Dia. X 5" long
8X 2.5in. Dia. X 5-3/4" long
6X 3in. Dia. X 6-1/2" long
Includes plastic counter top stand



		WT: 3.6
STOCK #	DESC.	1EA
17537-LN	Metal Handle Magnifier Set	\$19.95

scan with your smart phone



www.briefcase2tools.com

LIGHTED HELPING HANDS

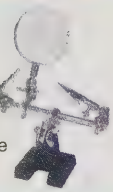
Versital tool with cast iron base, 2 alligator clips on a cross arm, that move & adjust, a 3-1/2in. 2X magnifier illuminated by 2 Superbrite LEDs and a soldering iron stand. leaving your hands free. Requires 3 "AAA" cells (Not included)



H: 6-3/4"	WT: 1.7	
STOCK #	DESC.	1EA
17932-TL	Lighted/Mag.Helping Hands	\$9.95

HELPING HANDS

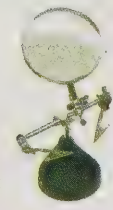
A must for circuit board, model or jewelry work, cast iron base with 2 alligator clips on a cross arm, move & adjust every which way, leaving your hands free, also available with 2-1/2" dia. magnifying lens.



H: 6"		WT: 1.4	
STOCK #	DESC	1EA	5+EA
1006-TL	Helping Hands no Lens	\$4.00	\$3.75
3628-TL	Helping Hands /2X Lens	\$5.50	\$4.95
18929-TL	Helping Hands/4X Lens	\$5.50	\$4.95

LARGE HELPING HANDS

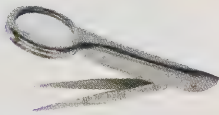
Round cast iron base with 3-1/2" dia. glass magnifying lens, 2 alligator clips on a cross arm. Move & adjust every which way, leaving your hands free, A must for circuit board, model or jewelry work.



H: 8-1/2"	WT: 1.4	
STOCK #	DESC.	1EA
16037-TL	Helping Hands & Lens	\$5.95

TWEEZERS WITH MAGNIFIER

Stainless steel tweezer with tached 3X magnifier. Ideal for sorting small parts etc. Folds to only 3/8" thick



L: 3-5/8"	W: 1-1/4"	WT: .05	
STOCK #	DESC.	1EA	5+EA
9186-TL	Tweezer/ Magnifier	\$1.95	\$1.49

UVTHIN POCKET MAGNIFIER

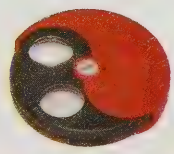
Thin pocket magnifier with a mini UV & a white superbrite LED for illumination. Switch select of UV or White light 14X magnification glass lens. Includes 2 CR2016 coin cells, soft protective pouch. Ideal for collectors, jewelers, electronic repairs.



L: 4"	W: 1-1/2"	T: 5/16"	WT: .09
STOCK #	DESC.	1EA	
18338-LN	Thin Pocket Magnifier	\$3.95	

MULTI MAGNIFIER

Round, Plastic magnifier with 8 different magnifications (5X-12X). Internal wheel rotates to expose the different lenses.



Dia: 3-1/2"	T: 3/4"	WT: .2	
STOCK #	DESC.	1EA	5+EA
15195-LN	Multi Magnifier	\$3.95	\$3.25

10X EYE LOUPE/ UV LEDS

Pocket magnifier with mini Ultraviolet LED illumination. 10X magnification, 21mm focal length. Glass triplet lens in stainless housing. Slide action switch. Uses 3 "LR927" coin cells (supplied.) Includes mini spanner to access batteries & leather case. Ideal for collectors, jewelers, electronic repairs.

L: 1-7/8" W: 1" H: 1" WT: .21

STOCK #	DESC.	1EA
18079-TL	10X Loupe/UV LEDs	\$7.95

UV LIGHTED POCKET MAGNIFIER

Pocket mini microscope with dual Ultraviolet mini LED illumination. 45X magnification. Glass lens in plastic housing. Slide action switch. Uses 3 "LR927" coin cells (supplied.) & fake leather case. Ideal for collectors, jewelers, etc.

L: 1-3/4" WT: .05

STOCK #	DESC.	1EA
18080-TL	Pocket Mini UV Microscope	\$4.95

30X EYE LOUPE/ WHITE/UV LEDS

Pocket magnifier with mini Ultraviolet & White LED illumination. 30X magnification. Glass lens in plastic housing. Slide action switch: OFF/Dual White/UV. Uses 3 "LR1130/3AG10" coin cells (supplied.) Includes mini spanner to access batteries. Plastic presentation box. Ideal for collectors, jewelers, electronic repairs.

L: 2-1/8" (Closed) W: 1-1/8" H: 1-1/8" WT: .19

STOCK #	DESC.	1EA
18337-TL	30X Loupe/UV LEDs	\$7.95

LIGHTED MIRROR

Telescoping, rectangular inspection mirror with 2 super bright mini white LEDs. Mirror head is 2-1/2" X 1-5/8". 11" collapsed (max), 34" extended (max). Uses two Coin Cells (included).

L: 11-34" W: 2-1/4" WT: .28

STOCK #	DESC.	1EA
18916-TL	Telescoping Lighted Mirror	\$9.95

LIGHTED MAGNIFIER

Lighted Handheld or surface 1.5X magnifier with plastic case and 3-3/4" X 1-7/8" rectangular lens. Requires 2 "C" cells (Not Supplied). Replaceable incandescent bulb. Slide switch on top.

L: 12" W: 3" H: 3-1/2" WT: .3

STOCK #	DESC.	1EA
17872-TL	Lighted Hand Magnifier	\$5.95

GOOSENECK LED LIGHT

Mini LED flashlight. Single White super bright LED at the end of a 4-1/2" flexible metal "Gooseneck". Aluminum case holds 3 type AG13 "button" cells (supplied). Alternate action push button switch on side. Set includes key chain and removable pocket clip.

L: 2-1/4" (Body) DIA: 9/16" (Body) WT: .26

STOCK #	DESC.	1EA
15996-TL	LED Gooseneck Light	\$3.95

UV/WHITE LED FLASHLIGHT LASER POINTER

LED "Stubby" flashlight with 4 White super bright LEDs, 4 Ultra Violet LEDs and a Red LASER pointer. Titanium colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). 4 Step Alternate action push button switch on side (ON White LEDs only/ON UV LEDs only/ON LASER only/OFF. Includes 2" strap and soft belt pouch.

NOTE: CLASS IIIA Laser <5mW. Do not shine into eyes! DO NOT EXPOSE Eyes or Skin to UV Light!

L: 4-1/2" WT: .23

STOCK #	DESC.	1EA
17645-TL	UV/White LED Flashlight/LASER	\$12.95

UV FLASHLIGHT

Medium duty LED "Stubby" UV flashlight. 8 ULTRA-VIOLET LEDs in aluminum case for corrosion resistance. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Alternate action push button switch on back end. Includes 4" strap. For currency examination, chemical analysis, gem identification etc.

L: 4" WT: .28

STOCK #	DESC.	1EA
17346-TL	8 LED UV Flashlight	\$12.95

UV LIGHTED MAGNIFIER

Lighted Handheld 4.5X magnifier with 8 white LEDs and a UV LED (390-395nm). Plastic body and 2-1/3" glass lens. Requires 3 "AAA" cells (Not Supplied). 3 Position Push Buttons switch on top.

L: 7-1/2" W: 3-3/8" H: 1-3/8" WT: .3

STOCK #	DESC.	1EA
18925-LN	4.5X Lighted Magnifier/ UV	\$5.95

LED FINGERLIGHT

4 pack of Unique, "finger" flashlights that straps to your finger, pen & tools with a hook-loop strap. White LED uses 3 replaceable AG10 coin cells (Included). Slide switch on top. Assorted body colors.

L: 1-5/8" WT: .1

STOCK #	DESC.	1EA
16711-TL	4 pack Finger Flashlights	\$2.95

MULTI BIKE LIGHT

Bike light with White super bright LED in plastic case. Includes a handle bar mount and a head band mount. 4 position push button switch: (LOW, HIGH, STROBE, OFF). Requires 3 "AAA" cells (Not supplied)

L: 4" O/L" W: 2-3/4" WT: .37

STOCK #	DESC.	1EA
17377-TL	LED Bike/Head Light	\$6.95

LED LAMP

30 Superbright LED Plastic desk type light operates on 3 "D" cells (not supplied). Switch provides 2 lighting levels: 1/3 (10LEDs) and Full (30LEDs). Top loop for hanging. Rubberized grip for use as flashlight.

H: 10-1/4" WT: .9

STOCK #	DESC.	1EA
18333-TL	30 LED Desk Lamp	\$8.95

3 LED FLASHLIGHTS

Light duty LED "Stubby" flashlight. 3 White ultra bright LEDs in colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Alternate action push button switch on back end. Includes 2" strap.

L: 3-1/4" WT: .07

STOCK #	DESC.	1EA
17649-TL	3 LED Flashlight-Titanium Case	\$1.95
18326-TL	3 LED Flashlight-Black Case	\$1.95
18325-TL	3 LED Flashlight-Red Case	\$1.95

WHITE FLASHLIGHT LASER POINTER

LED "Stubby" flashlight with 8 White super bright LEDs and a Red LASER pointer. Titanium colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). 3 Step Alternate action push button switch on side (ON LED only /ON LASER only/OFF. Includes 2" strap and soft belt pouch. NOTE: CLASS IIIA Laser <5mW. Do not shine into eyes!

L: 4-1/2" WT: .32

STOCK #	DESC.	1EA
17475-TL	White LED Flashlight/LASER	\$3.95

RED/WHITE FLASHLIGHT LASER POINTER

LED "Stubby" flashlight with 4 White super bright LEDs, 4 Red Super bright LEDs and a Red LASER pointer. Titanium colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). 4 Step Alternate action push button switch on side (ON White LEDs only/ON Red LEDs only/ON LASER only/OFF. Includes 2" strap.

NOTE: CLASS IIIA Laser <5mW. Do not shine into eyes! L: 4-1/2" WT: .32

STOCK #	DESC.	1EA
17474-TL	Color LED Flashlight/LASER	\$4.95

LASER POINTER & FLASHLIGHT

Thin LASER Pointer with flashlight. Only a 3/8" thick and contains 2 super bright white LEDs and a Class III, <5mW, 650nm Red LASER Pointer. Push button switches on top for LASER & LEDs. Uses 3 LR1130 button cells (included)

L: 3-3/8" W: 1" T: 3/8" WT: .06

STOCK #	DESC.	1EA
18331-TL	LASER Pointer LED Flashlight	\$2.95

8 LED FLASHLIGHT

Medium duty LED "Stubby" flashlight. 8 White super bright LEDs in aluminum case for corrosion resistance. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Alternate action push button switch on back end. Includes 4" strap.

L: 4" WT: .18

STOCK #	DESC.	1EA
15984-TL	8 LED Stubby Flashlight	\$7.95

MINI SUPERBRIGHT FLASHLIGHT

Flashlight with a single White super bright white LED. Black, plastic case. Fixed focus lens & reflector. Requires 1 "AA" cell (Not supplied). Alternate action push button switch on back. Includes 4" strap.

L: 3-5/8" D: 13/16" WT: .08

STOCK #	DESC.	1EA
17482-TL	Superbright Plastic Flashlight	\$1.95

2W SUPERBRIGHT FLASHLIGHT

Heavy Duty Flashlight with a single 2W CREE White super bright white LED Rated 70Lumens. Black, water resistant machined aluminum case. Fixed focus lens & reflector. Requires 2 "AA" cells (Not supplied). Alternate action push button switch on back. Includes belt pouch.

L: 6-1/4" D: 1-5/8" WT: .34

STOCK #	DESC.	1 EA
17912-TL	Heavy Duty 2W LED Flashlight	\$14.00

3W SUPERBRIGHT FLASHLIGHT

Heavy Duty Flashlight with a single 3W CREE White super bright white LED Rated 100-120Lumens. Black, water resistant machined aluminum case. Fixed focus lens & reflector. Requires 3 "AA" cells (Not supplied). Alternate action push button switch on back. Includes belt pouch.

L: 8-1/4" D: 1-7/8" WT: .48

STOCK #	DESC.	1 EA
17766-TL	Heavy Duty 3W LED Flashlight	\$24.95

5W SUPERBRIGHT FLASHLIGHT

Heavy Duty Flashlight with a single 5W CREE White super bright white LED Rated 160-180 Lumens. Black, water resistant machined aluminum case. Fixed focus lens & reflector. Requires 2 "D" cells (Not supplied). Alternate action push button switch on side. Includes belt pouch.

L: 9-3/8" D: 2-5/16" WT: 1

STOCK #	DESC.	1 EA
17767-TL	Heavy Duty 5W LED Flashlight	\$39.95

WEATHERPROOF FLASHLIGHT

Medium duty, weatherproof LED "Stubby" flashlight. 7 White ultra bright LEDs in shock resistant aluminum case with rubberized coating. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Push button switch on back end selects HI/MEDIUM/FLASH/OFF. Includes 6" strap.

L: 3-7/8" WT: .16

STOCK #	DESC.	1 EA
18329-TL	Weatherproof 7 LED Flashlight	\$4.95

9 LED FLASHLIGHT

Light duty LED "Stubby" flashlight. 9 White super bright LEDs in Titanium colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Alternate action push button switch on back end. Includes 2" strap.

L: 3-1/4" WT: .08

STOCK #	DESC.	1 EA
17018-TL	9 LED Stubby Flashlight	\$1.95

9 LED FLASHLIGHT

Light duty LED "Stubby" flashlight. 9 White super bright LEDs in Black colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Alternate action push button switch on back end. Includes 2" strap.

L: 3-1/4" WT: .08

STOCK #	DESC.	1 EA
18581-TL	9 LED Black Stubby Flashlight	\$0.99

2W SUPERBRIGHT FLASHLIGHT

Heavy Duty Flashlight with a single 2W OSRAM W5AM White super bright white LED Rated 70-80Lumens. Black, water resistant machined aluminum case. Fixed focus lens & reflector. Requires 2 "AA" cells (Not supplied). Alternate action push button switch on back. Includes belt pouch.

L: 6-1/4" D: 1-3/8" WT: .34

STOCK #	DESC.	1 EA
18920-TL	2W Osram LED Flashlight	\$9.95

27 LED WORKLIGHT

Mini worklight with 24 super bright white LEDs on face with 3 more on front for use as a flashlight. Plastic swivel hook on end for hanging and a strong magnet on back for attaching to steel. 4 position Push button switch. Required 3 "AAA" batteries (Included)

L: 3-3/4" W: 2-1/2" T: 1-1/2" WT: .24

STOCK #	DESC.	1 EA
18583-TL	27 LED Mini Worklight	\$4.95

EMERGENCY RADIO

Unique Hand crank Radio/Flashlight/Siren. Turning the Hand crank for 1 minute will power the Radio/Siren or light for up 90 minutes. Switch selection of 1 or 3 Superbright white LEDs. Std. AM/FM Radio with telescoping Antenna. 1/8" jack for headphones (Not Included)

L: 7-1/2" WT: .7

STOCK #	DESC.	1 EA
17646-TL	Emergency Radio/Light	\$19.95

SOLAR FLASHLIGHT

Solar charged flashlight. 5 White super bright LEDs in plastic case with a .22W Solar Panel. 6hr. exposer to sun charges 2 "AAA" NI-MH cell for up to 3hr. of light. Includes small compass in handle and power switch on side.

L: 6" WT: .2

STOCK #	DESC.	1 EA
17381-TL	5 LED Solar Flashlight	\$4.95

28 LED FLASHLIGHT

LED flashlight with 28 White super bright LEDs. Titanium colored aluminum case. Fixed focus lens. Requires 3 "AAA" cells (not supplied). Alternate action push button switch on back. Includes 2" strap and soft belt pouch.

L: 4-1/4" Dia: 1-3/4" O/A WT: .34

STOCK #	DESC.	1 EA
17476-TL	28 LED Flashlight	\$5.95

25 LED WORKLIGHT

Mini worklight with 25 super bright white LEDs on face. Plastic case with plastic swivel hook on end for hanging and a strong magnet on back for attaching to steel. 4 position Push button switch. Required 3 "AAA" batteries (NOT SUPPLIED)

SQ: 2-3/4" T: 1-3/8" WT: .18

STOCK #	DESC.	1 EA
18921-TL	25 LED Mini Worklight	\$4.95

24VDC DPST-NO RELAY

MFG: MAGNECRAFT

P/N: 199QX-5

COIL: 24VDC/290 ohms

CONTACT RATING: 30A@28VDC/300VAC;

1.5hp@120-600VAC

ACTION: DPST-NO

New but made in 1980s. General purpose contactor with .250" Quick connect terminals for contacts & coil. UL listed. 2-1/2" sq. mounting base

L: 3-1/2" W: 3" H: 2-1/4" WT: .6

STOCK #	DESC.	1 EA
18955-RL	30A Magcraft 24V Relay	\$6.95

240VAC 4PDT RELAY

MFG: MIDLAND-ROSS

P/N: 156-24U100

COIL: 240VAC/14.7Kohms

CONTACT RATING: 3A@28VDC/120VAC Resistive;

1/10hp@120/240VAC

ACTION: 4PDT

General purpose relay with PC terminals UL/CSA listed.

H: 1-1/4"(Body) W: 1-1/8" T: 7/8" WT: .06

STOCK #	DESC.	1 EA
18954-RL	240VAC Midland Relay	\$5.95

12VDC SPST-NO RELAY

MFG: OMRON

P/N: G8P-1114P-US

COIL: 12VDC/155 ohms

CONTACT RATING: 30A@250,15A @

125VAC; 1hp@120V; 2hp@250VAC

ACTION: SPST-NO

Sealed HVAC/industrial relay for PCB mounting. UL/CSA Listed

L: 1-1/4" W: 1-1/16" H: 7/8" WT: .06

STOCK #	DESC.	1 EA
19059-RL	12VDC Omron Relay	\$5.95

110VAC DPST-NO RELAY

MFG: OMRON

P/N: G7L-2A-P-CB

COIL: 100-110VAC

CONTACTS: DPST-NO

RATED: 20A@277VAC Restive & Inductive,

1.3KW (Tungsten)

P.C. Board mount, UL/CSA/TUV/CE Listed

L: 2-1/16" W: 1-3/8" H: 1-1/2" (Body) WT: .6

STOCK #	DESC.	1 EA
18900-RL	20A Omron 110VAC Relay	\$4.95

120VAC SPST-NO RELAY

MFG: P & B

P/N: PRD3AG1-DM

COIL: 120VAC/290 ohms

CONTACT RATING: 30A@277, 10A @600VAC;

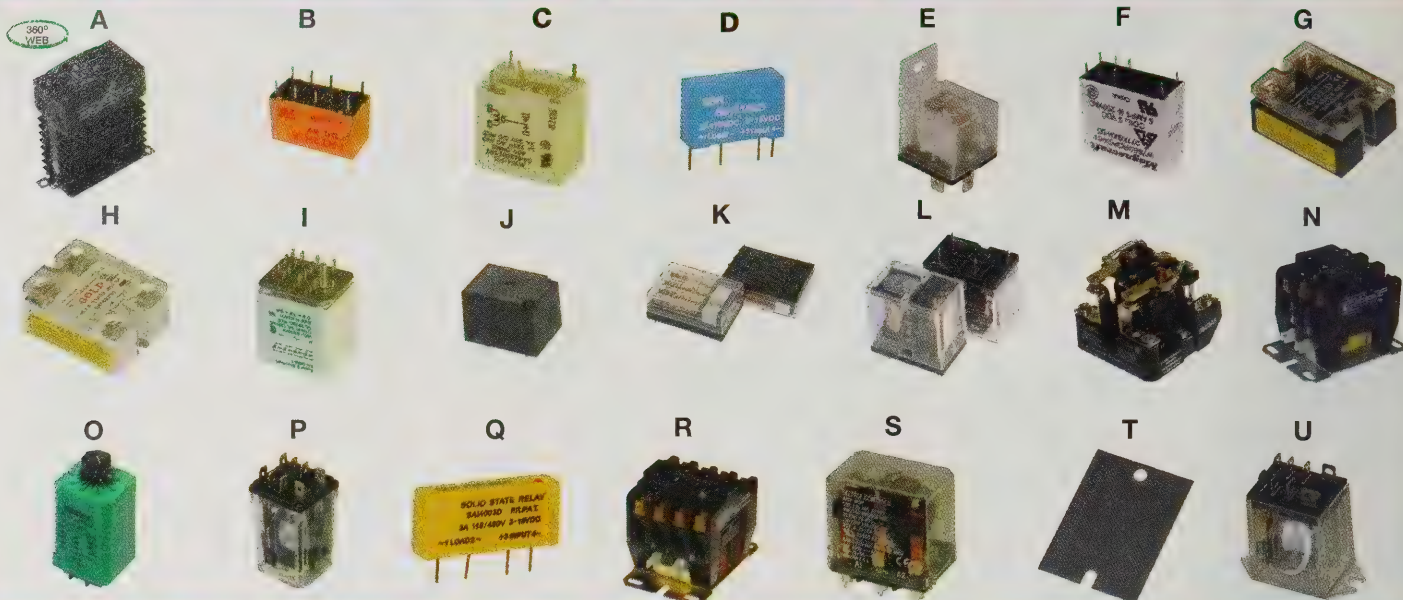
1hp@120; 2hp@240VAC

ACTION: SPST-NO Double Make

General purpose relay with .250" Quick connect terminals. UL/CSA Listed

L: 2-1/2" W: 2-1/2" H: 2-3/8" WT: .5

STOCK #	DESC.	1 EA
18963-RL	120VAC P & B Relay	\$6.95



STOCK #	FIG	COIL	CONTACTS	RATINGS	CONN.	DIM. LWH	MFG. PART #	LISTED	WT.	1EA	
18474-RL	B	5VDC	DPDT	1A@24DC/125VAC Res	PC/SKT	13/16" x 3/8" x 1/2"	FORWARD IND./FRT2H-S DC5	UL/us/c/CE	.02	\$1.95	----
18482-RL	F	5VDC/47Ω	DPDT	5A @ 250VAC	PC	1-1/16" x 1/2" x 1"	MAGNECRAFT/W76EURCPX-61	UL/CSA	.04	\$5.95	----
18454-RL	C	12VDC	SPDT	3A@125VAC ind./28V Res.	PC	1-3/16" x 3/4" x 1-1/4"	ESSEX/RBM/MS64-901	UL/CSA	.06	\$1.25	\$0.99
19024-RL	E	12VDC	SPDT	N0-40A@12VDC/NC-30A	QC1	1-1/8" x 1-1/4" x 1-5/8"	XPRESS/RL50	-	.08	\$1.95	----
18483-RL	F	12VDC/275Ω	SPDT	10A @ 250VAC/30DC	PC	1-1/16" x 1/2" x 1"	MAGNECRAFT/W76EURCPX-16	UL/CSA	.04	\$5.95	----
18610-RL	P	12VDC/100Ω	DPDT	20A@250V/3/4hp@120VAC	QC1	2-1/2" x 1-3/8" x 1-3/8"	AROMAT/HG2-DC12V	CSA	.3	\$5.95	----
18502-RL	I	120VAC	4PDT	3A@125VACind./28V Res.	PC/SKT	1-1/8" x 7/8" x 1-1/4"	P&B/KH5569-1	CSA	.1	\$4.95	----
9139-RL	J	24VDC	SPDT	10A@125VAC/6A@277VAC	PC	5/8" x 3/4" x 3/4"	AROMAT/PN JS1E-24V	UL	.027	\$1.95	\$1.75
4197-RL	K	48VDC/2.8KΩ	4PDT	1A@120VAC/30VDC Res. 1/10hp@120VAC	PC	1-1/4" x 13/16" x 1/2"	FUJITSU/PN FRL414D048/04CT	-	.03	\$0.99	\$0.79
12120-RL	L	24VDC	SPST-NO	15A@250VAC/24VDC Res.	PC	1-3/16" x 3/4" x 1-1/8"	OMRON/G4W-1112P-VD-TV8-HP	UL	.06	\$1.95	\$1.75
15831-RL	N	24VDC	3PST-NO	35A/600VAC Resistive	QC1	2-1/4" x 2-1/2" x 2-7/8"	P&B/PN P31-E1014-1	UL	.95	\$3.50	\$3.25
25FLA/150LRA/240VAC/pole Motor Load											
18230-RL	R	24VDC	4PST-NO	35A/600VAC Resistive	QC1	3-3/4" x 2-1/2"x 2-7/8"	P&B/PN P41C47DHO103Z03	UL/CSA	1	\$5.95	----
25FLA/150LRA/240VAC/pole											
18067-RL	M	24VAC	DPST-NO	40A/277VAC/28VDC Resistive	SCW	2-1/2" x 2-1/2" x 2-1/2"	MAGNECRAFT/W199AX-8	UL/CSA/CE	.52	\$10.95	----
1-1/2hp/120-600VAC Motor											
18255-RL	S	120VAC	3PDT	30A/75LRA @ 277V/Pole	PC	2" x 2-1/8" x 2-1/8"	DELTR0L/375P	UL/us/c/CE	.3	\$9.95	\$8.95
16726-RL	U	110VAC	DPDT	1/2 hp/120VAC 12A res/240VAC	QC2	1-3/4" x 13/16" x 1-5	OMRON/LY2-UA-006244	UL	.2	\$2.95	\$2.75
19082RL	O	120VAC	3PDT	10A/120VAC Resistive	SKT/QC2	3" x 1-1/2" x 1-7/8"	MMIDTEX/G14-43T3A4	-	.2	\$ 14.95	----
1/3 hp/120VAC 6-60Seconds Delay on Energize Time Delay Relay											
17769-RL	A	3-32VDC	SPST-NO	35A @ 280VAC	SCW	3-7/8" x 1-3/4" x 4-1/4"	CRYDOM/CMRD2435	UL/CSA/VDE	1	\$24.95	----
DIN Rail Mount Solid State Relay AC loads only											
18193-RL	D	3-15VDC	SPST-NO	2A@ 110VDC	PC	1-1/4" x 3/8" x 3/4"	Gold Control/SDI102D	----	.03	\$4.95	\$4.49
Solid State Relay DC loads only											
18194-RL	Q	3-15VDC	SPST-NO	3A @ 480VAC	PC	1-11/16" x 3/8" x 3/4"	Gold Control/SAI4003D	----	.03	\$5.95	\$5.49
NEW Solid State Relay AC loads only											
17154-RL	G	3-32VDC	SPST-NO	10A @ 480VAC	SCW	2-7/8" x 1-1/2" x 1"	Gold Control/SAP4810D	----	.11	\$7.95	\$6.95
NEW Solid State Relay AC loads only											
17155-RL	H	3-32VDC	SPST-NO	25A @ 480VAC	SCW	2-7/8" x 1-1/2" x 1"	Gold Control/SAP4825D	UL	.11	\$11.95	\$9.95
NEW Solid State Relay AC loads only											
17157-RL	H	3-32VDC	SPST-NO	40A @ 480VAC	SCW	2-7/8" x 1-1/2" x 1"	Gold Control/SAP4840D	UL	.11	\$15.95	\$11.95
NEW Solid State Relay AC loads only											
17288-RL	G	3.5-32VDC	SPST-NO	20A @ 12 to 480VDC	SCW	2-1/4" x 1-3/4" x 1-1/4"	Gold Control/SDP4020D	CE	.2	\$12.95	\$9.95
NEW Solid State Relay DC loads only											
17289-RL	G	3.5-32VDC	SPST-NO	40A @ 12 to 480VDC	SCW	2-1/4" x 1-3/4" x 1-1/4"	Gold Control/SDP4040D	CE	.2	\$16.95	\$14.95
NEW Solid State Relay DC loads only											
18500-IN	T	Silicone/Fiberglass Thermal pad for Solid State Relay.2-1/4" x 1-11/16" x .012"							.001	\$0.49	Call
Temp: -50 to +180 C. Thermal Conductivity: .9 W/m-k Performance: 6°C/W Dielectric Breakdown: 4500VAC											

PC=PC MOUNT / SDR=SOLDER / SCW=SCREW / SKT=SOCKET / QC1=.25" QUICK CONN / QC2=.187" QUICK CONN / DIP=DIP / UL=UL/CSA



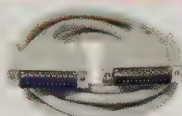
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SOLID STATE INTERFACE MODULE

STOCK #	FIG.	IN/OUT	FUNCTION	RATINGS	CONN.	DIM. LWH	MFG. PART #	LISTED	WT.	1EA	12-EA
14419-RL	A	35-60VAC/DC	SPST	6mA Max @ 60V in, 4KV isolation	PC	1-11/16" x 9/16" x 1"	GRAYHILL/PN 70-IDC5G	UL	.1	\$3.95	\$3.55
SS Input Module Interface between Ext. Loads and Microprocessor. 3-6V Output (5VDC Nominal) @ 10mA											

DB-25 DATA CABLES

Gold Plated Contacts, All Lines
Wired Through.



STOCK #	DESCRIPTION	WT.	1EA	5+EA
2887-CB	6' DB-25 Male/Male	.5	\$4.95	\$4.49
7716-CB	6' DB-25 Male/Female	.5	\$4.95	\$4.49
11451-CB	10' DB-25 Male/Female	.7	\$5.95	\$5.45
11452-CB	15' DB-25 Male/Male	.9	\$7.95	\$7.45
11453-CB	15' DB-25 Male/Female	.9	\$7.95	\$7.45
11454-CB	25' DB-25 M/M Cable	1.4	\$10.95	\$10.45
11455-CB	25' DB-25 M/F Cable	1.4	\$10.95	\$10.45
11456-CB	50' DB-25 M/M Cable	2.8	\$20.95	\$19.95
11457-CB	50' DB-25 M/F Cable	2.8	\$20.95	\$19.95
11459-CB	100' DB-25 M/F Cable	5.5	\$38.95	\$36.95

DB-25 M TO HALF PITCH CENTRONICS

IEEE 1284 compliant, 10ft. parallel printer cable. For use with Standard, ECP & EPP printer ports. Cable has a DB-25 male on one end and a 36pin Half Pitch Centronics male on the other. Platinum jacket with with foil & braided shielding. Molded strain relief on connectors.

STOCK #	DESC.	1EA
16238-CB	10ft. IEEE Printer Cable	\$0.99

RS232 BREAK-OUT BOX

Used to test & rewire RS232 interfaces. Unit gives you control of interface. 10 Bi-Polar LEDs monitor all std signals + 2 spare LEDs for your use. Switches & jumper positions allow reconfiguration of the 24 active lines. 8" flat ribbon cable to DB-25 Male connector, panel mounted DB-25 Female connector. 20 jumper wires included.

STOCK #	DESC.	1EA	5+EA
7865-MI	Breakout Box	\$23.95	\$22.55

KVM CABLE

6ft KVM (Keyboard/Video/Mouse) cable with 10" breakout on each end. Color coded 2 PS-2 Males on bothends with DB-15HD male on one end and DB-15HD female on other. Connect multiple computers to KVM switch.

STOCK #	DESC.	1EA	5+EA
14258-CB	6ft KVM Cable	\$9.95	\$7.95

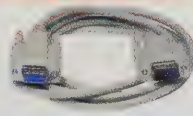
6FT. MONITOR CABLE

Hi-Density DB-15 connectors. Gold plated pins. Platinum jacket, Dark Blue molded connectors Ferrite filters on both ends.

STOCK #	DESC.	1EA
18095-CB	DB-15HD M/M Cable	\$2.49

DB-9 EXTENSION CABLES

DB-9 connectors.
Gold Plated Pins



STOCK #	DESCRIPTION	WT.	1EA	5+EA
8641-CB	6' DB-9 Male/Male	.22	\$2.95	\$2.49
8642-CB	6' DB-9 Male/Female	.22	\$2.95	\$2.75
8643-CB	10' DB-9 Male/Male	.4	\$3.49	\$2.95
8644-CB	10' DB-9 Male/Female	.4	\$3.49	\$2.95

MONITOR CABLES

Hi density DB-15 connectors.
Gold Plated Pins



STOCK #	DESCRIPTION	WT.	1EA	5+EA
8647-CB	6' Monitor Cbl. M/F	.2	\$3.95	\$3.49
12259-CB	10' Monitor Cbl. M/M	.5	\$4.95	\$4.49
8649-CB	10' Monitor Cbl.M/F	.2	\$4.95	\$4.49
18513-CB	25' Monitor Cbl.M/M	.2	\$19.95	\$16.95

6 FT FIREWIRE CABLE

IEEE 1394 Firewire cable with males on both ends. Black jacket with molded black strain relief on connectors. UL listed, RoHS compliant.

STOCK #	DESC.	1EA
17262-CB	6ft. Black Firewire Cable	\$2.95

RS232 CABLE

10ft serial cable with a DB9-Fe male on one end and a DB25 male on the other. Molded strain reliefs.

STOCK #	DESC.	1EA	10+EA
12919-CB	10ft. RS232 Cable	\$2.95	\$2.49

6FT. DB-9 CABLE

DB-9 cable with Gray jacket and Female DB-9 molded connectors on both ends. All lines wired through.

STOCK #	DESC.	1EA
17985-CB	6ft. DB-9F/F Cable	\$4.95

NULL MODEM CABLE

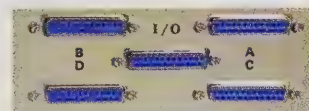
DB-9 connectors. Gold plated pins.
Wired as follows:

DB-9F	1+6	2	3	4	5	7	8	NC
DB-9F	4	3	2	1 & 6	5	8	7	NC

STOCK #	DESC.	1EA	5+EA
18892-CB	F/F NULL Modem Cable	\$3.25	\$2.95

DATA SWITCHES

Data switches with gold contact switch, Metal case, and non-slip feet. All lines wired through. Available as listed below in most standard configurations such as High Density & Standard DB-15, Phone jacks, 5 Pin DIN, Mini 8 pin DIN, BNC and Centronics (Printer).

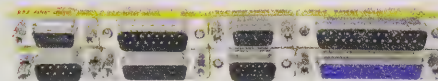


W: 7" D: 5-1/2" H: 2-1/4"

WT: 3

STOCK #	CONN	COM. CONN.	I/O CONN.	DESCRIPTION	1EA	5+EA
18604-SW	DB-25	DB-25 Female	4X DB-25 Female	4 way Data Switch with DB-25 Connectors	\$18.95	\$17.95
4703-SW	DB15	DB-15 Female	4X DB-15 Females	4 Way Data Switch with Std. DB-15 Connectors	\$15.95	\$12.95
4702-SW	DB15HD	DB-15HD Female	4X DB-15HD Females	4 Way Data Switch with DB-15 Hi Density Conn.	\$19.95	\$17.95
4705-SW	Mini 8 Pin DIN	Mini 8P DIN Female	4X Mini 8 DIN Females	4 Way Data Switch with Mini 8 Pin Din	\$18.95	\$17.95

THIN GENDER CHANGERS



Gold plated pins.
Description is gender changer configuration.

STOCK #	FIG.	DESCRIPTION	1EA	5+EA
7006-PL	A	DB-9 Male/Male	\$1.95	\$1.65
7007-PL	A	DB-9 Female/Female	\$1.95	\$1.65
11216-PL	B	DB-15 Male/Male	\$2.95	\$2.39
11217-PL	B	DB-15 Female/Female	\$2.95	\$2.39
8036-PL	C	DB-15 Hi Den. M/M	\$3.95	\$2.49
8037-PL	C	DB-15 Hi Den. F/F	\$3.95	\$2.49
7008-PL	D	DB-25 Male/Male	\$1.95	\$1.65
7009-PL	D	DB-25 Female/Female	\$1.95	\$1.65

SERIAL PORT ADAPTERS

DB-9 to DB-25 serial Port Adapter. Connections shown below

DB-9 to DB-25	DB-9 to DB-25	DB-9 to DB-25
3	2	6
8	5	4
1	8	7
2	3	5

STOCK #	DESC.	1EA	10+EA
4724-PL	DB9 Male/DB25 Female	\$1.95	\$1.59
8042-PL	DB9 Female/DB25 Male	\$1.95	\$1.59

USB CABLES

USB inter-connect cables



STOCK #	DESCRIPTION	WT.	1EA	5+EA
11160-CB	6ft. USB A/A M/M	.15	\$2.95	\$2.59
12389-CB	6ft. USB A to A M/F	.15	\$2.95	\$2.59
11161-CB	6ft. USB A to B M/M	.16	\$2.95	\$2.59
12390-CB	10ft. USB A to B M/M	.22	\$3.95	\$3.59

2 FT USB CABLE

USB 1.1 extension cable with a TYPE A male on one end and a Type A Female on the other. Charcoal jacket with molded strain reliefs.

STOCK #	DESC.	1+EA
18481-CB	2ft.USB Cable	\$1.29

GOLD USB CABLE

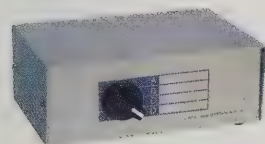
Type A male to Type B Male USB cable. White jacket, molded strain reliefs and Gold plated connectors.

STOCK #	DESC.	1EA
15743-CB	6ft. USB A/B Cable	\$1.49

2.0 USB CABLE

USB 2.0 cable with a TYPE A male on one end and a Type B Male on the other. Black jacket.

STOCK #	DESC.	1+EA	25+EA
18976-CB	36in. USB 2 Cable	\$1.49	\$1.25



MOBILE COM. PACK

Universal cable adapter kit allows you make up many communication cables. Set has a retractable 32in. USB cable with Type A Male on 1 end & Type A Female on other.

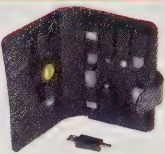
Includes the following Adapters:

USB A-F to RJ45 USB A-M to USB Mini B
USB A-M to RJ45 USB A-M to USB B-M
USB A-F to RJ11 USB A-M to USB Mini 4
USB A-M to RJ11 USB A-M to USB Mini 5

All stored in folding case.

NOTE: Some combinations can damage Computer or external systems. Varyify Compatability

WT: .4



STOCK #	DESC.	1EA
18471-PL	Mobile Comm. Adapters	\$9.95

6 FT USB CABLE

6ft. USB cable with a TYPE A male on one end and a Type B Male on the other. Platinum jacket with molded black strain relief on Type A on connector.

L: 6ft.

WT: .2



STOCK #	DESC.	1+EA
16144-CB	6ft.USB Cable	\$1.25

USB CAMERA CABLE

KODAK, USB cable with a Type A male on one end and a 4 Pin Mitsumi Male on the other. For C-300, Camera Dock 6000, Dock II, Dock 420/443, Various CX, DX, LX cameras, Printer Dock, Dock 4000,6000, Plus. Black jacket with molded black strain relief on connectors. Ferrite filter on Mini Mitsumi end

L: 4.5ft.

WT: .13



STOCK #	DESC.	1EA
17505-CB	4.5ft. Black USB Mitsumi Cable	\$0.99

5 FT USB CABLE

3COM P/N 10043601

FOXCONN P/N CUD4005C-K14

USB 1.1 cable with a Type A male on one end and a Type B Male on the other. White jacket with molded strain relief on connectors.

L: 5ft.

WT: .2



STOCK #	DESC.	1EA
17973-CB	5ft. White USB Cable	\$0.59

USB CHASSIS BRACKET

Computer chassis bracket Port Adapters or add additional to SATA Hard Drives. 6" cables to header sockets.

WT: .13



STOCK #	DESC.	1EA	5+EA
11162-CB	Dual 1X4 Header	\$3.95	\$3.59

20" SATA CABLE

MFG: FOXCONN

P/N: C95764

SATA Male/Male data cable for internal drive connection. Both ends have Latches.

L: 20"

WT: .035



STOCK #	DESC.	1+EA
18201-CB	20" SATA Cable	\$2.95

SATA POWER ADAPTERS

Power adapter cables for upgrading or add additional to SATA Hard Drives. 18765 Converts from conventional 4 Pin IDE connector to 1 SATA Power jack
18075 Converts from conventional 4 Pin IDE connector to 2 SATA Power jacks
18076 Splits 1 SATA into 2 SATA Jacks

L: 6"

WT: .05

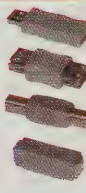
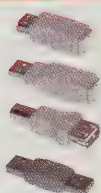


STOCK #	DESC.	1EA
18765-CB	IDE to Single SATA Cable	\$0.99
18075-CB	IDE to 2 SATA Power Cable	\$5.95
18076-CB	SATA Splitter Power Cable	\$4.95

USB GENDER CHANGERS

Description is gender changer configuration.

WT: .01



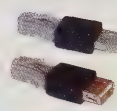
STOCK #	DESC.	1EA	5+EA
12452-CB	A Female/B Female	\$3.75	\$3.25
12453-CB	A Male/B Female	\$3.50	\$2.95
12454-CB	A Female/ B Male	\$3.50	\$2.95
15476-PL	A Male/A Male	\$3.50	\$2.95
15477-PL	A Male/A Female	\$3.50	\$2.95
15478-PL	A Female/A Female	\$3.50	\$2.95
15479-PL	B Male/B Male	\$3.50	\$2.95
15480-PL	B Female/B Female	\$3.50	\$2.95

USB/RJ ADAPTERS

Description is connector configuration.

L: 2-1/4"

WT: .04



STOCK #	DESC.	1EA	5+EA
15485-PL	A Male/RJ-45 Male	\$2.95	\$2.50
15486-PL	A Female/RJ-45 Male	\$2.95	\$2.50

USB - PS2 ADAPTERS

Computer keyboard Adapters, 2 Type available:

6 Pin Mini DIN Female to USB Type A Male

6 Pin Mini DIN Male to USB Type A Female

L: 2-1/4"

WT: .04



STOCK #	DESC.	1EA	10+EA
14256-PL	PS2-F to USB-A-Male	\$1.95	\$1.59
14257-PL	PS2-M to USB-A-Female	\$1.95	\$1.59

USB 4 PORT INTERNAL HUB

Hub supports full speed (12Mbps) and low speed (1.5Mbps) devices. Features 1 upstream type "B" female port and 4 downstream type "A" female ports. Includes 1ft upstream cable (A male/B male), 6in long power cable (connects into HDD/CD/Floppy Power).

WT: .5

STOCK #	DESC.	1EA	5+EA
12484-CP	USB 4 Port Hub	\$29.95	\$26.95

2.0 USB CABLE

USB 2.0 cable with a TYPE A male on one end and a Type B Male on the other. Black jacket.

L: 3ft.

WT: .1

STOCK #	DESC.	1+EA	25+EA
18976-CB	3ft. USB 2.0 Cable	\$1.25	\$0.99



6FT. DB-9 CABLE

DB-9 extension cable with white jacket and a Female molded connector on one end Male on other. All lines wired through.

L: 6ft

WT: .4

STOCK #	DESC.	1EA
18763-CB	6ft. DB-9M/F Cable	\$1.95



SECURE

ON-LINE ORDERING www.mpja.com

USB 107-KEY KEYBOARDS

Black OR Beige 107 key, 4ft. cable with USB Type A male connector. Keys for ACPI power management "WAKE UP", "SLEEP" & "POWER". Black base & keys with white letters OR Beige base & keys with Black letters, tactile feedback, LED's for Number, Caps, & Scroll Lock. 98/ME/2K/NT/XP compatible. FCC/CE approved.

W: 17-3/4" D: 6-1/4" H: 1" WT: 2.1

STOCK #	DESC.	1EA	5+EA
15903-KB	USB Black Keyboard	\$8.95	\$7.95
15930-KB	USB Beige Keyboard	\$8.95	\$7.95

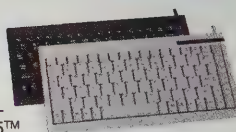


MINI PS-2 KEYBOARDS

Mini footprint 88 key keyboard. With Windows 95™, enhanced keys 6ft. cord with 6 pin Mini DIN connector. Two colors to choose from. UL/CSA/CE Listed

L: 11-3/8" W: 5-5/8" H: 1" WT: 1.5

STOCK #	DESC.	1EA	5+EA
12443-KB	Ivory Mini Keyboard	\$29.95	\$28.95
12444-KB	Black Mini Keyboard	\$29.95	\$28.95

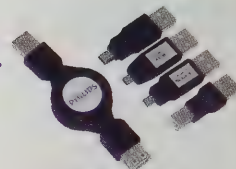


RETRACTABLE USB CABLE SET

USB 2.0 adapter set includes retractable 1m cable with Type A Male on 1 end & Type A Female on other. Adapters have Type A Male on end while other end include: Type B Male, Mini B Male, Micro 8 Pin for Kodak and Micro 5 Pin for Panasonic. Includes a cloth storage pouch.

L: 1m Ext/11cm retracted WT: .22

STOCK #	DESC.	1EA
18723-CB	Retractable USB Adaptors Set	\$4.95



USB/WIFI DONGLE

ZyDAS WLAN wireless net dongle with on board antenna. No case/cover

Standards: IEEE802.11b 11Mbps 802.11g 54Mbps

USB: 2.0

Supports: WPA, 64/128 WEP security,

Access point & ad-hoc network.

System: Windows 98SE-XP Pro. (Not tried with Vista)

MAC: OS-X

Pentium 233 UP, 64Mb RAM/100Mb of disc

USB Port.

Transmit: 17dBm

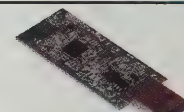
Receive (@11Mbps): -80dBm @ 8% FER.

Range: 50-200m depending on conditions/building

Driver NOT provided. Available on-line.

L: 2-7/8" O/A W: 7/8" T: 1/4" WT: .018

STOCK #	DESC.	1EA
18569-CP	WiFi-USB LAN Dongle	\$5.95



USB TO SERIAL CONVERTER

Allows you to free up your RS-232 Port or add Port to Laptop. No IRQ required.

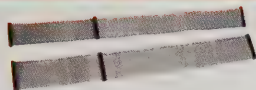
Supports auto handshake mode, remote wake-up & power management. Works with ISDN terminal adapters, modems. Driver files provided on disk, latest drivers available Via Internet from Mfg. website. No external power required. Type "B" Female input, DB-25Male output, includes 6ft cable with USB Type A male on one end & Type "B" male on other.

WT: .5

STOCK #	DESC.	1EA
14246-CP	USB RS-232 Link	\$19.95



DISC DRIVE CABLES



Cables to inter-connect floppy or hard drives to your system controllers.
7368-CB For 5-1/2 or 3-1/2 A/B floppys: 34 Pin header to two 34 Pin edge connectors & 34Pin headers.
7369 & 7981-CB For IDE drives: 40 Pin Header to one/two 40 Pin Headers
7982 & 7983-CB For SCSI drives: 50Pin header to one/two 50 Pin headers

WT: .17

STOCK #	DESC.	1EA	5+EA
7368-CB	28" Dual Floppy Cable	\$2.95	\$1.95
7369-CB	24" IDE Dual Hard Drive	\$2.95	\$1.95
7981-CB	18" IDE Single Hard Drive	\$1.95	\$1.59
7982-CB	18" SCSI Single Hard Drive	\$2.95	\$1.95
7983-CB	24" SCSI Dual Hard Drive	\$2.95	\$1.95

AT/ATX POWER CABLE EXTENSION



ATX

AT

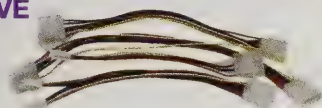
Motherboard power extension cable. Connects between your power supply connectors & the motherboard. AT: 12 conductor ATX: 20Conductor (ATX-V1.3)

L: 8" (AT) 6" (ATX)

WT: .15

STOCK #	DESC.	1EA	5+EA
11219-CB	AT Extension Cable	\$3.95	\$2.95
15430-CB	ATX Extension Cable	\$3.95	\$2.95

DISC DRIVE POWER CABLES

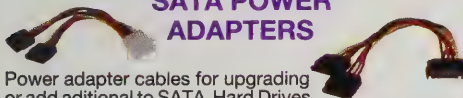


Adapt large 4 Pin molex power connectors to mini 4 pin connectors. "Y"s for connecting two drives from one connector.

WT: .044

STOCK #	DESC.	1EA	5+EA
7206-CB	Large to Mini	\$1.95	\$1.75
7207-CB	Large "Y"	\$1.95	\$1.75
7208-CB	Large to 2 Mini (Y)	\$1.95	\$1.75
11218-CB	Large to Mini & Large	\$1.95	\$1.75

SATA POWER ADAPTERS



Power adapter cables for upgrading or add additional to SATA Hard Drives.
18765 Converts from conventional 4 Pin IDE connector to 1 SATA Power jack
18075 Converts from conventional 4 Pin IDE connector to 2 SATA Power jacks
18076 Splits 1 SATA into 2 SATA Jacks

L: 6"

WT: .05

STOCK #	DESC.	1EA
18765-CB	IDE to Single SATA Cable	\$0.99
18075-CB	IDE to 2 SATA Power Cable	\$5.95
18076-CB	SATA Splitter Power Cable	\$4.95

PREMIUM RGB CABLE



Monster Cable 800 series, THX Certified, Premium Component Video (RGB) cable. 3 color coded video cables. 95% Copper braid & 100% aluminum foil double shielding. 24kt gold plated Red, Blue & Green coded RCA Plugs.

L: 1m

WT: .85

STOCK #	DESC.	1EA
18473-CB	Monster RGB Cable	\$8.95

A/V CABLES



Premium Stereo audio & composite video cable with Oxygen free copper wire. Left & Right Stereo cables & video coax. Copper braid & aluminum foil double shielding, stranded center conductor. Molded strain relief 24kt gold plated Red, White & Yellow coded RCA Plugs.

STOCK #	DESCRIPTION	WT.	1EA
17188-CB	9ft. H/D A/V Cable	1.2	\$7.95
17189-CB	13ft. H/D A/V Cable	1.4	\$9.95

FIBER OPTIC DUBBING CABLES



Siamese dubbing cable with fiber optic cable with TOSLINK connectors for audio and coax cable with Gold plated RCA Plugs for video.

L: 6/12ft

WT: .4/.62

STOCK #	DESC.	1EA	10+EA
15504-CB	12' F/Optic Dubbing Cable	\$8.95	\$7.95
16740-CB	6' F/Optic Dubbing Cable	\$2.95	

18IN. FIBER OPTIC AUDIO CABLE



18" optical cable with 3.5mm optical mini plugs on both ends. For digital interconnects between properly equipped Amps, Tuners, CD's etc. Max loss: 2db/m @ 600nm wavelength. Min bending radius: 22mm (1in).

L: 18in.

WT: .035

STOCK #	DESC.	1EA
15257-FO	18in. Optical Cable	\$0.99

6FT. FIBER OPTIC AUDIO CABLE



6 ft. optical cable with 3.5mm optical mini plugs on both ends. For digital interconnects between properly equipped Amps, Tuners, CD's etc. Max loss: 2db/m @ 600nm wavelength. Min bending radius: 22mm (1in).

L: 6ft

WT: .14

STOCK #	DESC.	1EA
14493-CB	3.5mm Optical Cable	\$1.49

6FT. FIBER OPTIC CABLE



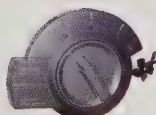
6ft. TOSLINK to 1/8" Optical Phone Plug cable. For digital interconnects between properly equipped Amps, Tuners, CD's etc. Max loss: .2db/m. Min bending radius: 30mm

L: 6ft

WT: .09

STOCK #	DESC.	1EA	10+EA
15533-FO	Fiber Optic Audio Cable	\$1.99	

OPTICAL SWITCH



3 way bi-directional optical switch with 3.5mm optical in/outputs. Select from 3 different audio sources, or receivers. Includes TOSLINK to 3.5mm optical adapters.

WT: .23

STOCK #	DESC.	1EA
15189-FO	Fiber Optic Switch	\$4.99

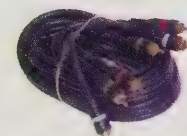
PREMIUM A/V CABLES



Premium Stereo audio & composite video cable made with Oxygen free copper wire. Left & Right Stereo cables & video coax. Copper braid & aluminum foil double shielding. 24kt gold plated Red, White & Yellow coded

STOCK #	DESCRIPTION	WT.	1EA	5+EA
16885-CB	6ft. Prem. A/V Cable	.6	\$29.95	\$27.95
16886-CB	12ft. Prem. A/V Cable	1.1	\$36.95	\$33.95
16887-CB	25ft. Prem. A/V Cable	2.2	\$54.95	\$49.95

HEAVY DUTY A/V CABLES



Heavy duty stereo audio & composite video cable with Oxygen free copper wire. Left & Right Stereo cables & video coax. Copper braid & aluminum foil double shielding. Molded strain relief 24kt gold plated Red, White & Yellow coded RCA Plugs.

STOCK #	DESCRIPTION	WT.	1EA	5+EA
16891-CB	6ft. H/D A/V Cable	.6	\$15.95	\$12.95
16892-CB	12ft. H/D A/V Cable	1.1	\$24.95	\$21.95
16893-CB	25ft. H/D A/V Cable	2.1	\$45.95	\$41.95

STANDARD A/V CABLES



Stereo audio & composite video cable. Left & Right Stereo cables & video coax. Copper braid. Molded strain relief 24kt gold plated Red, White & Yellow coded RCA Plugs.

STOCK #	DESCRIPTION	WT.	1EA	5+EA
16896-CB	3ft. Std. A/V Cable	.2	\$4.95	\$4.49
16898-CB	12ft. Std. A/V Cable	.6	\$6.95	\$6.49

A/V PATCH CABLES WITH RCA PLUGS



Single & Dual cables for audio/video equipment patching

STOCK #	DESCRIPTION	WT.	1EA	10+EA
4906-TV	6ft. Single Cable	.11	\$1.25	\$0.99
4907-TV	12ft. Single Cable	.18	\$1.95	\$1.75
4903-TV	3ft. Dual Cable	.33	\$1.49	\$1.35
4904-TV	6ft. Dual Cable	.48	\$1.75	\$1.49
4905-TV	12ft. Dual Cable	.52	\$2.49	\$2.25

1/8" PHONE STEREO CABLES

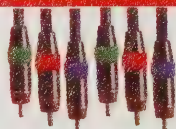


Single cable with 3.5mm (1/8") stereo cables. For audio or video equipment patching. Black cable with molded connectors. M = Male, F = Female.

WT: .12

STOCK #	DESC.	1EA	10+EA
11291-CB	12ft. 3.5mm M/F Cable	\$1.69	\$1.49
11292-CB	12ft. 3.5mm M/M Cable	\$1.69	\$1.49
11293-CB	6ft. 3.5mm M/M Cable	\$1.65	\$1.49

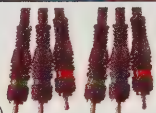
PREMIUM RGB CABLES



Premium Component Video (RGB) cable. 3 color coded video cables with OFC conductors, 93% Copper braid & 100% aluminum foil double shielding. 24kt gold plated Red, Blue & Green coded RCA Plugs with metal shells.

STOCK #	DESCRIPTION	WT.	1EA	5+EA
16901-CB	3ft. Prem. RGB Cable	1	\$24.95	\$23.95
16902-CB	6ft. Prem. RGB Cable	2	\$34.95	\$32.95
16903-CB	12ft. Prem. RGB Cable	3	\$37.95	\$36.95
16904-CB	25ft. Prem RGB Cable	5	\$49.95	\$47.95

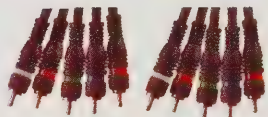
DELUXE RGB CABLES



Heavy duty Component Video (RGB) cable. 3 color coded video cables with OFC conductors, 69% Copper braid & 100% aluminum foil double shielding. Molded strain relief, 24kt gold plated Red, Blue & Green coded RCA Plugs

STOCK #	DESCRIPTION	WT.	1EA	5+EA
16907-CB	6ft. H/D RGB Cable	2	\$34.95	\$32.95
16908-CB	12ft. H/D RGB Cable	3	\$37.95	\$36.95
16909-CB	25ft. H/D RGB Cable	5	\$49.95	\$47.95

DELUXE RGB/STEREO CABLES



Heavy duty Component Video (RGB) & Stereo cable. 3 color coded video and 2 Audio cables with OFC conductors, 86% Video/69% Audio Copper braid & 100% aluminum foil double shielding. Molded strain relief, 24kt gold plated Red, White, Blue & Green coded RCA Plugs

STOCK #	DESCRIPTION	WT.	1EA	5+EA
16912-CB	12ft. RGB/Stereo Cable	5	\$29.95	\$27.95
16913-CB	25ft. RGB /StereoCable	6	\$39.95	\$37.95

STEREO AUDIO CABLES



Stereo cable with color coded RCA Right angle males on one end and straight males on the other. All connectors are Gold plated. Each cable is individually shielded. Ideal interconnect cable for car audio systems.

STOCK #	DESC.	WT.	1EA	5+EA
15788-CB	3ft Gold Stereo Cable		\$1.95	\$1.75

1/8" PHONE AUDIO CABLE



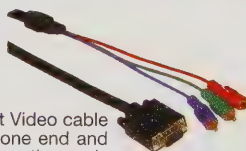
Audio patch cables with 1/8" stereo phone plug connectors on both ends. Molded strain reliefs.

A: 5ft. Platinum jacket/Blue & Green connector
B: 5ft. Platinum jacket/Green Connectors/RFI Filter on ends

WT.: .13

STOCK #	DESC.	WT.	1EA	10+EA
15561-CB	(A) Platinum Jacket		\$1.29	\$1.09
15562-CB	(B) Platinum Jacket/Filters		\$1.29	\$1.09

VGA TO RGB CABLE



VGA to RGB Component Video cable with DB-15H male on one end and color coded RCA Plugs on other end.

STOCK #	DESC.	WT.	1EA
17224-CB	6ft VGA to RGB Cable	.3	\$8.95
17225-CB	12ft VGA to RGB Cable	.6	\$12.95

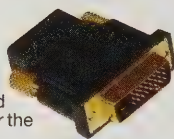
HDMI CABLE



HDMI (High Definition Multimedia Interface) cable with gold plated male connectors on both ends. Top quality signal for all Hi-Def. TV, Set Top cable boxes, recorder/players etc. Supports standard, enhanced, & High Definition video plus standard & surround sound.

STOCK #	DESC.	WT.	1EA
16864-CB	12ft. Hi Def. TV Cable	2	\$26.95

HDMI/DVI ADAPTERS

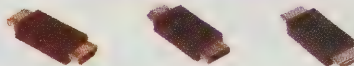


HDMI/DVI Cable adapters with gold plated connectors. Top quality for the highest quality viewing.

WT.: .1

STOCK #	DESCRIPTION	1EA	5+EA
16870-PL	HDMI-F to DVI-M	\$11.95	\$9.95
16871-PL	HDMI-M to DVI-F	\$11.95	\$9.95
16872-PL	HDMI-F to DVI-F	\$12.95	\$10.95
16873-PL	HDMI-M to DVI-M	\$11.95	\$9.95

HDMI COUPLERS



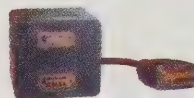
HDMI cable Gender changers/Couplersaccessories. Top quality for the highest quality viewing.

L: 12"

WT.: .1

STOCK #	DESCRIPTION	1EA	5+EA
16875-PL	HDMI-F to HDMI-F	\$12.95	\$11.25
16876-PL	HDMI-M to HDMI-M	\$12.45	\$10.95
16877-PL	HDMI-F to HDMI-M	\$12.45	\$10.95

HDMI SPLITTER



HDMI signal splitter. HDMI Male connector with 1ft lead connects to 2 HDMI Females. Gold plated connectors.

L: 12"

WT.: .6

STOCK #	DESCRIPTION	1EA	5+EA
16880-PL	HDMI Signal Splitter	\$19.95	\$18.95

RG-58 CABLES WITH BNC CONN.



Cable with BNC Male connectors on both ends. Black with molded strain relief.

STOCK #	DESCRIPTION	WT.	1EA	10+EA
8011-CB	10ft 50ohm RG-58	1	\$3.95	\$3.49
8012-CB	25ft 50ohm RG-58	1	\$4.95	\$4.49
8013-CB	50ft 50ohm RG-58	1.5	\$8.95	\$7.49
8014-CB	100ft 50ohm RG-58	5	\$15.95	\$14.95

RG-59 CABLE WITH BNC CONN.



Convenient lengths of black 75 ohm RG-59 CCTV cables. With strain relieved male BNC connectors on both ends. Use to interconnect Cameras, Monitors, Switchers etc.

STOCK #	DESCRIPTION	WT.	1EA	25+EA
8952-CB	3ft. RG-59 Cable	.3	\$3.25	\$2.95
8953-CB	6ft. RG-59 Cable	.6	\$3.85	\$3.49
8954-CB	12ft. RG-59 Cable	2	\$4.50	\$3.95
8955-CB	25ft. RG-59 Cable	3.1	\$5.95	\$5.49
8956-CB	50ft. RG-59 Cable	4.2	\$8.95	\$7.95
12386-CB	100ft. RG-59 Cable	8.5	\$14.95	\$12.95

6FT HDMI CABLE



HDMI (High Definition Multimedia Interface) cable with gold plated male connectors and filters on both ends. Top quality signal for all Hi-Def. TV, Set Top cable boxes, recorder/players etc. Supports standard, enhanced, & High Definition video plus standard & surround sound.
L: 2m (6ft.) WT.: .5

STOCK #	DESC.	1EA
16921-CB	Hi Def. TV Cable	\$14.95

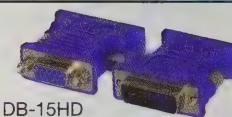
4m DVI CABLE



ULTRALINK Platinum Series, 13 ft. with a DVI-D (24+1, Dual Link-2X Digital cable) male connector on both ends. Dark Gray cable with Black molded connectors. Gold shells & Pins, Quad shielded, silver plated copper conductors,
L: 13ft. WT.: 1.1

STOCK #	DESC.	1EA
18107-CB	UltraLink 13ft. DVI-D Cable	\$6.95

DVI/VGA ADAPTER



MFG: PULSE
DVI-A Male (12+5) to VGA DB-15HD Female molded adapter. Top quality for the highest quality viewing.

L: 1-7/8"

WT.: .075

STOCK #	DESC.	1EA
18200-PL	DVI-VGA Adapter	\$11.95

1FT. MONITOR CABLE



Hi-Density DB-15 Male connectors on both ends. Black jacket with Dark Blue molded connectors. Pins 4 & 11 tied to shell

L: 1ft.

WT.: .14

STOCK #	DESC.	1EA
18654-CB	DB-15HD M/M Cable	\$1.79

6FT DVI CABLE



6 ft. with a DVI-D (18+1, Single Link- Digital cable) male connector on both ends. Platinum cable with white molded connectors
L: 6ft. WT.: .44

STOCK #	DESC.	1EA
16587-CB	Platinum 6ft. DVI-D Cable	\$1.25

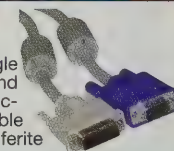
UL LISTED COAX CABLES WITH "F" CONNECTORS



UL listed CATV cables. Convenient lengths of black RG-6 cable. With strain relieved male "F" connectors on both ends. Suitable for commercial installations. 64% braid & 100% foil shield.

STOCK #	DESCRIPTION	WT.	1EA	5+EA
5948-TV	15' UL RG-6 Cable	.7	\$2.99	\$2.49
5949-TV	25' UL RG-6 Cable	1	\$4.25	\$3.95
5950-TV	50' UL RG-6 Cable	2.2	\$7.50	\$6.95
5951-TV	75' UL RG-6 Cable	3.1	\$12.95	\$11.95
5952-TV	100' UL RG-6 Cable	4.2	\$13.95	\$12.95
5953-TV	150' UL RG-6 Cable	6.2	\$19.95	\$18.80

DVI-VGA CABLE

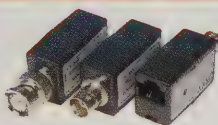


6 ft. with a Male DVI-A (16+1, Single Link- Analog) connector on one end and a VGA Male DB-15HD connector on other (no Pin 9). Platinum cable with molded connectors and a ferrite suppressor on each end
L: 6ft. WT.: .6

STOCK #	DESC.	1EA
17950-CB	Platinum 6ft. DVI-A/VGA Cable	\$9.95

VIDEO COAX TO UTP CONVERTER

Isolated balun converts video signals using coaxial cable to telcom UTP cable (CAT 3-5). Sends color video up to 1000ft or B/W up to 2000ft. Bandwidth 35Hz to 4.5MHz. Transpedance: 75ohm unbalanced to 100 ohm balanced. Use existing phone wiring to send video. Connects to RJ-45 pins 7&8. **1 needed at each end**



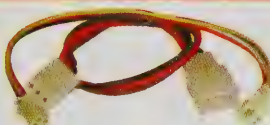
L: 2" W: 5/8" H: 7/8" WT: .1

STOCK #	DESC.	1EA	5+EA
12238-ST	BNC-M to RJ-45	\$24.95	\$19.95
12239-ST	BNC-F to RJ-45	\$24.95	\$19.95
12240-ST	"F" Female to RJ-45	\$24.95	\$19.95

CB/RADIO EXTENSION CABLES

10in. long, Small, flat pin extension cables. Male connector on one end, mating Female on other. Color coded wires.

.110" flat quick connect type Pins in plastic housing. L: 10"

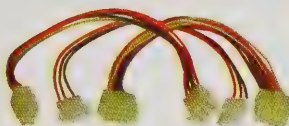


STOCK #	DESC.	WT.	1EA
17854-CB	2 Pin Extension Cable	.02	\$1.29
17856-CB	3 Pin Extension Cable	.03	\$1.95
17858-CB	4 Pin Extension Cable	.05	\$1.95
17859-CB	6 Pin Extension Cable	.07	\$2.95
17860-CB	9 Pin Extension Cable	.09	\$4.59

CB/RADIO EXTENSION CABLES

10in. long, Round pin extension cables. Male connector with .084" O/D round on one end, mating Female on other. Color coded wires. Plastic housing.

L: 10"



STOCK #	DESC.	WT.	1EA
17861-CB	3 Pin Extension Cable	.033	\$2.95
17862-CB	6 Pin Extension Cable	.066	\$4.59
17863-CB	9 Pin Extension Cable	.10	\$6.95
17864-CB	12 Pin Extension Cable	.11	\$9.95
17865-CB	15 Pin Extension Cable	.13	\$12.95

CB/RADIO EXTENSION CABLE

10in. long, extension cables with .250" Quick connect type terminals. Male connector on one end, mating Female on other. Color coded wires. Plastic housing.

L: 10"

WT: .03/.06

STOCK #	DESC.	1EA
17857-CB	3 Pin Extension/Faston	\$1.95

"B" SPLICES

Standard type "B" crimp splices. Provides permanent connection for phone or alarm wires.

WT: .001

STOCK #	DESC.	1EA	25EA	100+EA
5873-TT	"B" Splice	\$0.15	\$0.10	\$0.09

EURO TERMINAL BLOCK

12 position, double entry, Euro style terminal blocks. 10mm terminal Spacing & mounting holes. Voltage: 300V/Rated Current: 30A Wire: 12-22AWG Solid/Stranded 10AWG Solid Recessed screws in top. UL/VDE/CE Listed. RoHS compliant

L: 4-5/8" H: 11/16" W: 13/16" WT: .08

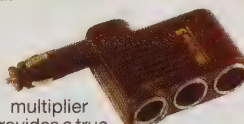
STOCK #	DESC.	1EA
18538-TS	12 Pos. Euro Strip	\$2.95

CIGARETTE ADAPTER

Cigarette lighter socket multiplier plugs into auto socket & provides a true cigarette lighter socket and 2 mobile equipment sockets. Now you can have the lighter & your equipment all operational at the same time up to 10A Max. adjustable plug angle

WT: .5

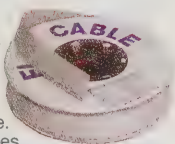
STOCK #	DESC.	1+EA
18261-PL	Cigarette Socket Multiplier	\$5.95



RIBBON CABLE

100ft rolls of multiconductor flat ribbon cable. .050" conductor spacing to match up to IDC connectors. Stranded, 28 awg, 105deg "C" 300 volt insulation. Gray PVC insulation with tracer on one edge. For SCSI, disc drive and other cables.

L: 100ft.



STOCK #	DESC.	WT.	1EA	5+EA
8566-WI	9 Conductor Flat	1.5	\$16.95	\$12.95
8568-WI	20 Conductor Flat	2.7	\$28.95	\$25.83
8569-WI	25 Conductor Flat	3.4	\$33.95	\$29.95
8570-WI	34 Conductor Flat	5	\$45.95	\$43.95
8571-WI	40 Conductor Flat	6	\$57.95	\$56.95
8572-WI	50 Conductor Flat	7	\$69.95	\$64.95

QUICK CONNECT SPEAKER TERMINAL

2 or 4 position red & black terminal strip for speakers, audio equipment etc. Solder tabs on back.

WT: .03

STOCK #	DESC.	1EA	10+EA
4298-TS	2 Pos. Quick Connect	\$0.50	\$0.39
4297-TS	4 Pos. Quick Connect	\$0.79	\$0.59



9V BATTERY CLIPS

Type A: Side exit, vinyl, 4" tinned red & black leads. Type B: End exit, vinyl cover, 6" tinned red & black leads

WT: .004

STOCK #	DESC.	1EA	25+EA
6392-BT	Side Exit 9V Clip	\$0.25	\$0.22
2600-BT	End Exit 9V Clip	\$0.19	\$0.17



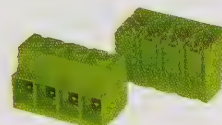
HIGH POWER TERMINAL BLOCK

4 position, end stackable, P.C. mount, terminal blocks. Voltage: 1000V/Rated Current: 90A Wire: 2-20AWG, 35mm²

Recessed screws in top. RoHS compliant

L: 60mm H: 39mm W: 31mm WT: .18

STOCK #	DESC.	1EA
18522-TS	4 Pos. Hi-Power Strip	\$1.25



LOCKING DIN PLUG

Full size, 8 Pin. DIN connector with 30deg. turn locking ring. 7 male Pins in 270Deg. circle Plus Pin 8 slight offset from center. Metal body with Soft rubber strain relief, solder cup pins for #22 Max.

L: 2-5/16" [Dia: .75 O/A] WT: .04

STOCK #	DESC.	1EA
18778-PL	8Pin DIN Plug	\$2.95



4 COND. MINI COIL CORD

High quality, super flexible, medical grade white coil cord designed for use as medical sensor leads. 12in. collapsed, 80in. extended. 4 color coded #26 AWG stranded, copper conductors. Ideal for control systems, robots, alarms

L: 12"

WT: .06

STOCK #	DESC.	1EA	10+EA
17574-CB	Mini Coil Cord	\$1.25	\$0.99



6FT DVI CABLE

6 ft. with a DVI-D (18+1, Single Link-Digital cable) male connector on both ends. Gray cable with Gray molded connectors.

L: 6ft.

WT: .44

STOCK #	DESC.	1EA
16594-CB	Gray 6ft. DVI-D Cable	\$2.95



CAMERA VIDEO/POWER CABLE

Siamese cable for cameras. Cable splits out 8" from ends into a video cable with a BNC male on one end and a RCA male on other and a power cable with a 2.1mm I/D coaxial power Plug on end (same end as video RCA) and a 2.5mm I/D power Jack on other. Includes a BNC Male to RCA Female adapter.

STOCK #	DESC.	WT.	1EA
15460-WI	25ft. Camera Cable	0.6	\$6.95
15461-WI	50ft. Camera Cable	1.8	\$9.95
15462-WI	100ft. Camera Cable	3.4	\$17.95
15463-WI	150ft. Camera Cable	4.9	\$22.95



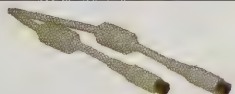
S-VIDEO CABLE

5ft.-8in. platinum cable with a 4 pin mini DIN male connectors & ferrite filters on both ends. Quality cable with molded strain relief on connectors.

L: 5ft/8in

WT: .22

STOCK #	DESC.	1EA
16236-CB	Platinum S-Video Cable	\$0.95



S-VIDEO CABLE

5ft.-8in. black S-Video cable with a 4 pin mini DIN male connectors & ferrite filters on both ends. Quality cable with molded strain relief on connectors.

L: 5ft/8in

WT: .22

STOCK #	DESC.	1EA
16303-CB	Black S-Video Cable	\$2.95



S-VIDEO CABLE

6ft. cable with a Gold 4 pin mini DIN male on both ends. Ideal patch cord from DVD/ Sat. receiver to your TV. Quality cable with molded strain relief on connectors.

L: 6ft.

WT: .12

STOCK #	DESC.	1EA	5+EA
11052-CB	6ft S-VHS Cable	\$3.50	\$2.95



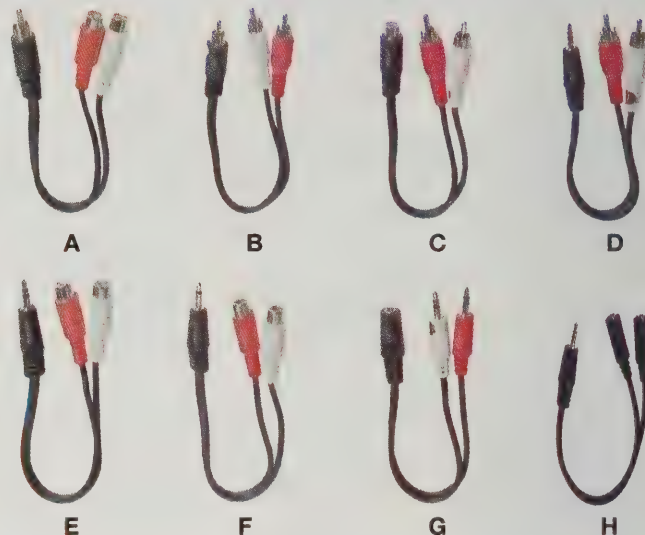
AUDIO ADAPTORS



WT: .01

STOCK #	FIG.	DESCRIPTION	1EA	10+EA
11295-AD	A	RCA Jack to RCA Jack	\$0.45	\$0.36
11296-AD	B	RCA Plug to RCA Plug	\$0.49	\$0.39
11297-AD	C	3.5mm Stereo Jack to 3.5mm Stereo Jack	\$1.95	\$1.59
11298-AD	D	3.5mm Mono Jack to 2.5mm Mono Plug	\$0.95	\$0.79
11299-AD	E	RCA Jack to 3.5mm Mono Plug	\$0.95	\$0.79
11300-AD	F	2X 3.5mm Stereo Jack to 3.5mm Stereo Plug	\$1.25	\$0.99
11301-AD	G	RCA Jack to 1/4" Mono Plug	\$0.75	\$0.59
11302-AD	H	1/4" Mono Jack to RCA Plug	\$0.95	\$0.79
11303-AD	I	3.5mm Mono Jack to RCA Plug	\$0.95	\$0.79
11304-AD	J	1/4" Mono Jack to 3.5mm Mono Plug	\$0.75	\$0.59
11305-AD	J	1/4" Stereo Jack to 3.5mm Stereo Plug	\$0.95	\$0.79
11306-AD	L	3.5mm Mono Jack to 1/4" Mono Plug	\$0.75	\$0.59
11307-AD	L	3.5mm Stereo Jack to 1/4" Stereo Plug	\$0.75	\$0.59
11308-AD	M	2X 1/4" Stereo Jack to 3.5mm Stereo Plug	\$1.75	\$1.39
11309-AD	N	2X 3.5mm Stereo Jack to 1/4" Stereo Plug	\$1.50	\$1.19
11400-AD	O	3.5mm Mono to 3.5/1.3mm ID Coaxial Plug	\$1.50	\$1.25
11401-AD	P	3.5mm Mono to 6.5/3mm ID Coaxial Plug	\$1.50	\$1.19
15334-PL	Q	Red RCA Plug to Jack Rt. Ang Adapter	\$0.79	\$0.64
15335-PL	Q	Black RCA Plug to Jack Rt. Ang Adapter	\$0.79	\$0.64

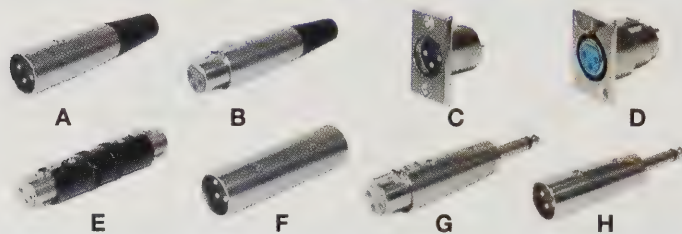
AUDIO ADAPTOR & SPLITTER CABLES



WT: .05

STOCK #	FIG.	DESCRIPTION	1EA	10+EA
11420-AC	A	Black RCA Plug to Red/White RCA Jack (Y)	\$0.89	\$0.69
11421-AC	B	Black RCA Plug to Red/White RCA Plug (Y)	\$0.89	\$0.69
11422-AC	C	Black RCA Jack to Red/White RCA Plug (Y)	\$0.89	\$0.69
11423-AC	D	3.5mm St. Plug to Red/White RCA Plug (Split)	\$0.95	\$0.79
11424-AC	E	3.5mm St. Plug to Red/White RCA Jack (Split)	\$0.95	\$0.79
11425-AC	F	3.5mm Mno. Plug to Red/White RCA Jack (Y)	\$0.95	\$0.79
11426-AC	G	3.5mm St. Jack to Red/White 3.5mm St. Plug (Y)	\$0.95	\$0.79
11427-AC	H	3.5mm St. Plug to 3.5mm St. Jacks (Y)	\$0.95	\$0.79

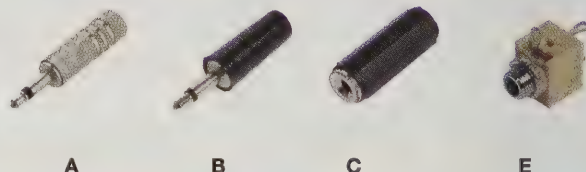
3 PIN XLR MIKE CONNECTORS



WT: .01

STOCK #	FIG.	DESCRIPTION	WT.	1EA	10EA
2983-PL	A	XLR Cable Male Mike Connector	.2	\$1.95	\$1.59
2971-PL	B	XLR Cable Female Mike Connector	.2	\$1.95	\$1.59
2972-PL	C	XLR Male Chassis Mike Connector	.2	\$2.25	\$1.79
3136-PL	D	XLR Female Chassis Mike Connector	.2	\$3.95	\$2.95
11403-PL	E	XLR Female to Female Inline Conn.	.15	\$4.45	\$3.59
11404-PL	F	XLR Male to Male Inline Conn.	.13	\$4.25	\$3.39
11405-PL	G	XLR Female to 1/4" Mono Plug	.1	\$4.25	\$3.39
11406-PL	H	XLR Male to 1/4" Mono Plug	.1	\$3.95	\$2.95

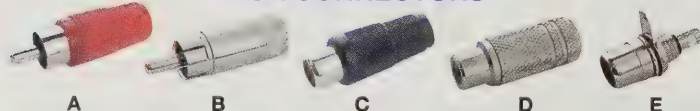
1/8" (3.5MM) PHONE PLUGS & JACKS



WT: .004

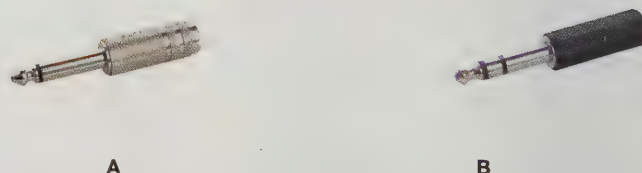
STOCK #	FIG.	DESCRIPTION	1EA	10EA	100+EA
2187-PL	A	Mono Plug Metal Back	\$0.52	\$0.43	\$0.35
1868-PL	B	Mono Plug Plastic Back	\$0.15	\$0.13	\$0.10
5514-PL	A	Stereo Plug Metal Back	\$0.64	\$0.53	\$0.43
4015-PL	B	Stereo Plug Plastic Back	\$0.37	\$0.31	\$0.25
1927-PL	C	Mono Jack Plastic Back	\$0.50	\$0.46	\$0.39
5515-PL	E	Stereo Enc. Panel Jack	\$0.38	\$0.32	\$0.25

RCA CONNECTORS



WT: .004

STOCK #	FIG.	TYPE	DESCRIPTION	1EA	10EA	100+EA
4674-PL	A	Plug	Red Plastic Back	\$0.19	\$0.16	\$0.13
4675-PL	A	Plug	Black Plastic Back	\$0.19	\$0.16	\$0.13
5518-PL	B	Plug	Metal Back	\$0.57	\$0.47	\$0.38
5519-PL	C	Jack	Red Plastic Back	\$0.23	\$0.19	\$0.15
5520-PL	C	Jack	Black Plastic Back	\$0.23	\$0.19	\$0.15
5521-PL	D	Jack	Metal Back	\$0.76	\$0.63	\$0.51
5522-PL	E	Jack	Panel Mount	\$0.41	\$0.34	\$0.27

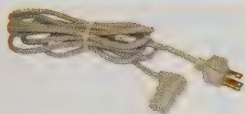


A/C = Normally Closed Auxillary Tip Contact

WT: .02

STOCK #	FIG.	DESCRIPTION	1EA	10EA	100+EA
7236-PL	A	Mono Plug Metal Back	\$0.72	\$0.60	\$0.48
7237-PL	B	Mono Plug Plastic Back	\$0.48	\$0.40	\$0.32
7238-PL	A	Stereo Plug Metal Back	\$0.97	\$0.81	\$0.64
7239-PL	B	Stereo Plug Plastic Back	\$0.52	\$0.43	\$0.35

7FT. RIGHT ANGLE IEC CORDSET



Removed from Equipment, 6ft, 18-3 AWG SVT platinum jacket, Right Angle power cord for electronic equipment. Standard 3 prong molded plug on one end, right angle IEC female on other end. Rated 120VAC 10A.
L: 7ft WT: .4

STOCK #	DESC.	1EA
17723-CB	7ft. Right Angle IEC Cord	\$2.45

10FT. LAPTOP POWER CORD



10ft, 18-3 AWG power cord used with some desktop power supplies & equipment. Standard 3 prong molded plug on one end, IEC Class 1-C5 female (3 round sockets) on other end. SVT Black jacket. Rated 120VAC 2.5A. UL/CSA Listed,
L: 10ft WT: .5

STOCK #	DESC.	1EA	10+EA
18227-CB	10ft Laptop Cordset	\$2.49	\$1.99

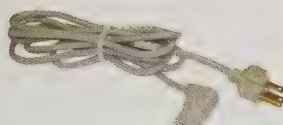
6FT. RIGHT ANGLE IEC CSA CORDSET



Removed from Equipment, 6ft, 18-3 AWG SVT platinum jacket, Right Angle power cord for electronic equipment. Standard 3 prong molded plug on one end, right angle IEC female on other end. CSA listed. Rated 120VAC 10A.
L: 6ft. WT: .34

STOCK #	DESC.	1EA
17446-CB	6ft. CSA Right Angle IEC Cord	\$2.49

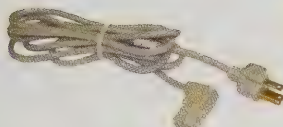
6FT. RIGHT ANGLE IEC CORDSET



Removed from Equipment, 6ft, 18-3 AWG SVT platinum jacket, Right Angle power cord for electronic equipment. Standard 3 prong molded plug on one end, right angle IEC female on other end. Rated 120VAC 10A.
L: 6ft. WT: .34

STOCK #	DESC.	1EA
17730-CB	6ft. Right Angle Cord	\$2.49

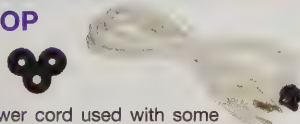
7FT. RIGHT ANGLE CSA CORDSET



Removed from Equipment, 7ft, 18-3 AWG SVT platinum jacket, Right Angle power cord for electronic equipment. Standard 3 prong molded plug on one end, right angle IEC female on other end. CSA listed. Rated 120VAC 10A.
L: 7ft. WT: .4

STOCK #	DESC.	1EA
17723-CB	7ft. Right Angle CSA IEC Cord	\$2.49

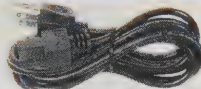
6FT. LAPTOP POWER CORD



6ft, 18-3 AWG power cord used with some desktop power supplies & equipment. Standard 3 prong molded plug on one end, IEC Class 1-C5 female (3 round sockets) on other end. SVT White jacket. Rated 120VAC 2.5A. CSA/VDE/CE Listed
L: 6ft WT: .4

STOCK #	DESC.	1EA	10+EA
17193-WI	6ft Laptop Cordset	\$2.95	\$2.49

6FT. UL 18-3 AWG IEC POWER CORD



6ft, 18-3 AWG power cord used in equipment. Standard 3 prong molded plug on one end, std. IEC type C-13 female on other end. Black jacket. UL/CSA listed. Rated 120VAC 10A.
L: 6ft WT: .4

STOCK #	DESC.	1EA	10+EA
12943-CB	6ftUL IEC Cordset	\$3.95	\$3.49

1FT. IEC POWER CORD



1ft. long, 18-3 SVT, power cord for such items as computers, printers, equip. etc. Std. 3 prong plug on one end and std. IEC female on other. Ideal for racks or benches with plug strips. No tangle of cords. CSA listed.
L: 1ft WT: .9

STOCK #	DESC.	1EA	5+EA
14908-WI	1ft IEC Power Cord	\$2.25	\$1.99

10FT IEC POWER CORD



10ft, 18-3 AWG SJT Black jacket, power cord for electronic equipment. Clear hospital Grade, 3 prong molded plug on one end, standard IEC female on other end. CSA/CE listed.
L: 10ft WT: .7

STOCK #	DESC.	1EA
17605-CB	10ft IEC Black Cordset	\$4.95

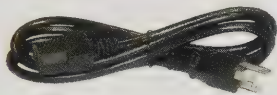
6FT. IEC CLASS-1 POWER CORD



6ft, 18-3 AWG power cord used with some desktop power supplies & equipment. Standard 3 prong molded plug on one end, IEC Class 1 female -C5 (3 round socket) on other end. SVT gray jacket. International Rating 120/220VAC/2.5A. North America rating: 120VAC/7A
L: 6ft. WT: .4

STOCK #	DESC.	1EA	10+EA
16225-WI	Gray Class1 Cordset	\$2.49	\$2.25

5.5FT. UL 18-3 AWG IEC POWER CORD



5-1/2ft, 18-3 AWG power cord used in equipment. Standard 3 prong molded plug on one end, standard IEC female on other end. Black jacket. UL/CSA listed. Rated 120VAC 10A.
L: 5-1/2ft WT: .33

STOCK #	DESC.	1EA
17415-CB	5.5ft. UL IEC Cordset	\$2.95

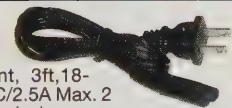
6FT. 18-2 AWG AUDIO EQUIP. CORD



6ft, 18-2AWG power cord. 2 blade polarized molded plug on one end, 2 pin keyed female notebook/laptop/ Audio equipment plug on other. SPT-2 black jacket.
L: 6ft WT: .25

STOCK #	DESC.	1EA	5+EA
15009-CB	6ft Notebook Cord	\$1.49	\$1.25

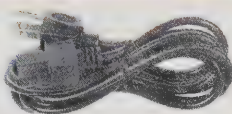
3FT. POWER CORD



Removed from Equipment, 3ft, 18-2AWG power cord. 250VAC/2.5A Max. 2 blade Non-polarized molded plug on one end, IEC Class 2-C7, 2 pin female notebook/laptop/ Audio/TV equipment plug on other. Black jacket. CSA Listed.
L: 3ft. WT: .13

STOCK #	DESC.	1EA
17108-CB	3ft. Class 2 Power Cord	\$0.69

POWER CORD SPECIAL



6ft, 18-3 AWG, black PVC jacketed power cords. Standard 3 prong male molded plug on one end, & 3 blade molded IEC C-13 female on the other. 120VAC 10A rated.
L: 6ft WT: .5

STOCK #	DESC.	1EA
7378-WI	6ft. IEC Power Cord	\$3.49

EQUIPMENT EXTENSION CABLE

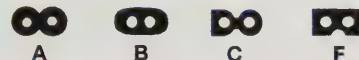


Extension power cord with IEC Male on one end & IEC female on other. Use to extend monitors, computers Etc.
WT: .5

STOCK #	DESC.	1EA
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18042-CB	4.5ft Black CSA IEC Ext.	\$1.95
18045-CB	6ft Plat. IEC Ext.	\$2.50
18046-CB	6ft Black IEC Ext.	\$2.95
12462-CB	6 ft Black UL IEC Ext.	\$2.50

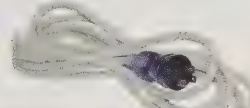
5.5FT. REPLACEMENT CORDS



5-1/2ft, consumer power cord. 250VAC/4A Max. 2 blade Non-polarized molded plug on one end, 2 pin female notebook/laptop/Audio/TV equipment plug on other. Black jacket.
L: 5-1/2ft WT: .25

STOCK #	FIG	DESC.	1EA	5+EA
15447-CB	A	Rnd. Non-Polar Cord	\$1.25	\$0.99
15448-CB	B	Rnd. Non-Polar Cord	\$1.25	\$0.99
15449-CB	C	Polar Cord Set	\$1.25	\$0.99
15452-CB	F	Keyed TV Cord	\$1.25	\$0.99

10FT, 18-3 AWG IEC POWER CORD



10ft, 18-3 AWG SJT platinum jacket, power cord for electronic equipment. Hospital Grade 3 prong molded plug on one end, standard IEC class 1, female on other end. CSA listed. Rated 250VAC
L: 10ft WT: .72

STOCK #	DESC.	1EA	100+EA
16045-CB	10ft IEC Cordset	\$4.95	\$4.25

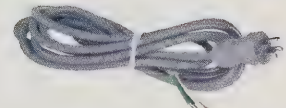
6FT. RIGHT ANGLE 14/3 CORDSET



6ft, 14-3 AWG SJT Black jacket, Right Angle power cord for electronic equipment. Standard 3 prong molded plug on one end, right angle IEC female on other end. Rated 15A/125VAC. UL/CSA listed.
L: 6ft. WT: .7

STOCK #	DESC.	1EA
18041-CB	6ft. UL Right Angle IEC Cord	\$4.95

HOSPITAL GRADE AC CORD



9ft. 16-3 AWG, Gray SJT jacketed pigtail power cord. Hospital Grade 3 prong male molded AC plug on one end and stripped back 2in on other end. UL/CSA Listed
L: 9ft WT: .8

STOCK #	DESC.	1EA
18851-WI	9ft. Hospital AC Cord	\$4.95

10FT, 18-3 AWG IEC CORD

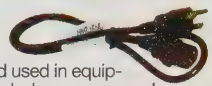
10ft, 18-3 AWG SJT Gray jacket, power cord for electronic equipment. Hospital Grade 3 prong molded plug on one end, standard IEC class 1, female on other end. CSA listed. Rated 10A, 125VAC
L: 10ft WT: .72



STOCK #	DESC.	1EA
18184-CB	10ft IEC Cordset	\$4.95

3FT, 18-3 AWG IEC CORD

3ft, 18-3 AWG Black, power cord used in equipment. Standard 3 prong molded plug on one end, standard IEC female on other end. Black jacket. Rated 10A @ 125V; 125V 15A @ 125V. CEVDE Listed.
L: 3ft WT: .26



STOCK #	DESC.	1EA
18657-CB	3ft Volex IEC Cordset	\$2.49



HI-TEMP IEC CONNECTOR

Snap-in, Chassis mount, Black thermoplastic, 120/220 VAC @ 10A, IEC 60320/C-16 three wire primary power connector for High Temperature appliances. Rated for "HOT" use @ 120deg. "C". .250" quick connect terminals. UL/CSA listed 15A@250V/VDE/TUV listed 10A@250V NOTE: Connector is "Keyed" for C-15 Plug & will not accept Std. C-13 Plug

W: 1-3/16" H: 7/8" D: 1-1/8" WT: .016

STOCK #	DESC.	1EA
17371-PL	High Temp. IEC Inlet	\$0.49

IEC POWER INLET

Snap-in, Chassis mount, Black thermoplastic, 120/220 VAC @ 10A, IEC 60320/C-14 three wire primary power connector. Rated for 70deg. "C". .250" quick connect terminals. UL/CSA listed 15A@250V/VDE/TUV etc. listed 10A@250V, accepts Std. C-13 Plug

W: 1-3/16" H: 1" D: 1-1/8" WT: .018

STOCK #	DESC.	1EA
18260-PL	Standard IEC Power Inlet	\$0.75

IEC POWER INLET



IEC 60320 type C-14 Right Angle P.C. mount, power inlet. Rated: 15A @ 250VAC UL/CSA. Standard IEC equipment end male 3 blade cord connector. Solder terminals.

W: 2" H: 1-1/16" D: 1-1/16" WT: .04

STOCK #	DESC.	1EA
18022-PL	IEC P.C. Mount Power Inlet	\$0.79

CIGARETTE ADAPTER CORD

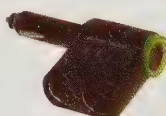


Cigarette lighter plug with Replaceable 2A GMA fuse. 12ft ZIP cord with a Female .187" quick connect on center pin lead & a Male .187" on the outside contacts.

L: 12ft. WT: .22

STOCK #	DESC.	1EA
18525-CB	12ft. Cigarette Adapter Cord	\$1.95

CIGARETTE LIGHTER ADAPTER



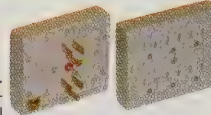
Adapter has 3 built in LEDs showing battery status. Expands dash cigarette lighter socket to handle a cigarette lighter & 2 devices. Replaceable 10A fuse.

L: 5-1/4" H: 3" T: 1-1/4" WT: .22

STOCK #	DESC.	1+EA
18030-MI	3 Way Cigarette Lighter Adp.	\$5.95

6 WAY SAFETY ADAPTER

Wall mount shock protector. Provides 6 outlets from standard Duplex outlet. Internal cover plates Prevent objects from being inserted in live holes. Both Blades must be inserted at the same time. NOT A SURGE LIMITER. UL/CSA Listed.

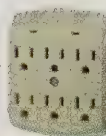


WT: .4

STOCK #	DESC.	1EA
18534-MI	6 Way Shock Protector	\$3.95

6 WAY SURGE PROTECTOR

Wall mount surge protector. Protect electronic equipment from electrical spikes. Built in status indicator light. Clamp Volts: 400, U/L listed.



WT: .7

STOCK #	DESC.	1EA	5+EA
4370-MI	6 Way Surge Protector	\$9.95	\$7.95

6 WAY SURGE PROTECTOR

Wall mount surge protector plugs into Duplex recp. 6 outlets protected L/N & L/Gnd. 1875 W max. Load. Protect electronic equipment from electrical spikes. Built in status indicator light. Clamp Volts: 330V. UL listed.



WT: .22

STOCK #	DESC.	1EA	10+EA
18023-MI	6 Way Surge Protector	\$4.95	\$4.49

COAXIAL POWER SPLITTER

5in. splitter cord with 5.5X2.1mm power connectors. Male Right Angle on one end & a piggy-back Male/Female on the other.

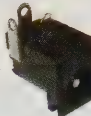


L: 5" WT: .04

STOCK #	DESC.	1EA
18553-CB	5.5/2.1mm Splitter Cable	\$1.95

COAXIAL POWER JACK

Plastic, P.C. mount power connector. Designed for 5.5mm/2.1mm dia. power plugs. Solder terminals

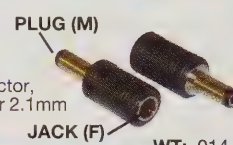


WT: .004

STOCK #	DESC.	1EA	100EA
18027-PL	5.5/2.1mm Power Jack	\$0.49	\$0.39

POWER PLUG ADAPTERS

Plastic body Barrel connector, 5.5mm O/D Plug TO 2.5 or 2.1mm I/D Adapters.



L: 1-7/16" WT: .014

STOCK #	DESC.	1EA
17573-PL	5.5/2.1F to 5.5/2.5M Adapter	\$1.95
18238-PL	5.5/2.5F to 5.5/2.1M Adapter	\$1.95

COAXIAL POWER JACKS

Plastic, Chassis mount power connector. Designed for 5.5mm O/D plugs. Aux. contact connected to sleeve with no plug inserted. Solder terminals



L: 7/8" Mtg. Hole: 5/16" Dia.: 15/32" WT: .007

STOCK #	DESC.	1EA
18549-PL	5.5/2.1mm Power Jack	\$1.49
18550-PL	5.5/2.5mm Power Jack	\$1.49

3 WAY SURGE PROTECTOR

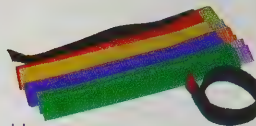


Heavy duty EMI/surge protector. 15A max. Load. Clamp voltage: 330V/140Joules. Outlets protected L/N, L/Gnd. & N/Gnd. Free standing or can be screwed to wall, cabinet or desk. 9ft. 14-3 AWG cord plugs into wall recp. 2 outlets on face + 1 receptacle on 4" cord for pigtailing more units. Surge suppression also provided for Phone & LAN RJ jacks. UL listed.

L: 8-1/4" W: 2-3/4" D: 3-3/4" WT: 2.1

STOCK #	DESC.	1EA
18265-MI	Cubical Surge Protector	\$8.95

CABLE ORGANIZER



10pcs. set of velcro cable tys. 7in. of Loop with 1in. of hook on reverse side used to organize all those Computer, or home entertainment cables and cords. Holds up to 2in. bundle.

L: 7-1/2" W: 3/4" WT: .05

STOCK #	DESC.	1EA
17918-TY	10 Pack 7.5" Hook/Loop Ties	\$1.25

CABLE ORGANIZERS



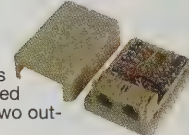
10pcs. set of velcro cable tys. 6in. of Loop with 2in. of hook on reverse side used to organize all those Computer, or home entertainment cables and cords. Holds up to 1-3/4in. bundle.

L: 7" W: 1" WT: .06

STOCK #	DESC.	1EA
17881-TY	10 Pack Hook/Loop Ties	\$1.95

SURFACE MTG. DUAL JACK

Surface mount "Mod" RJ-11 jacks with internal block. Two jacks wired in parallel. For single line with two outlets.

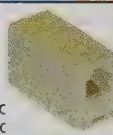


WT: .01

STOCK #	DESC.	1EA	2+EA
9233-TT	Dual Jack	\$3.25	\$2.95

"MOD" CORD COUPLER

RJ-12 to RJ-12, (6X6) Telephone line cord coupler. Wired straight through. Ivory col

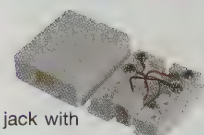


WT: .02

STOCK #	DESC.	1EA	10+EA
15474-TT	RJ-12 Straight Coupler	\$0.95	\$0.79

SURFACE MOUNT JACK

Surface mount RJ-11 "Mod" jack with internal terminal block.



WT: .09

STOCK #	DESC.	1EA	2+EA
4230-TT	4 Wire Surface Jack	\$1.68	\$1.49
4231-TT	6 Wire Surface Jack	\$1.95	\$1.79

CPU FAN POWER ADAPTOR

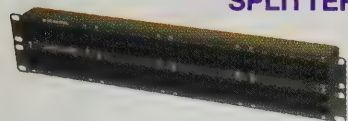
Use to remove 3 pin CPU fan connector from motherboard and connect it direct to your power supply. Standard large 4 pin drive M/F connectors to mini fan plug.



L: 2" tap / 6" Fan WT: .02

STOCK #	DESC.	1EA	5+EA
12834-CB	CPU Fan Adapt. Cable	\$2.49	\$1.95

SPLITTER PANEL



CISCO P/NWS-F56K-48X2-SPLTR= for Catalyst 6500 systems. Dark Gray steel panel fits standard 19" racks. 48 Inputs X 96 Output Ports. Accepts std. Cat-5e RJ-45 plug & splits to 2 RJ-45 Output Jacks.
H: 3-1/2" (2U)
WT: 4

STOCK #	DESC.	1EA
16769-TT	Cisco Splitter Panel	\$29.95

CAT-5 RJ-45 "MOD" CRIMP PLUGS

"Modular" RJ-45 plugs feature .35mm phor-bronze contacts with 50 u-inch gold over 50-100 u-in. nickel plated plating. For 24-28AWG solid/stranded wire. Conforms to FCC-68.5 requirements. UL Listed. 2 prong for medium duty use (2 point wire connection) 3 prong for heavy duty use (3 Point wire connection)

WT: .001

STOCK #	DESC.	1EA	25+EA
11118-TT	RJ-45 Stranded Wire	\$0.30	\$0.28
11119-TT	RJ-45 Solid Wire 2 Prong	\$0.35	\$0.33
11120-TT	RJ-45 Solid Wire 3 Prong	\$0.42	\$0.39

"Y" ADAPTERS

"Y" adapter allow multiple pieces of phone equipment to share one outlet. One "Mod" plug to "Mod" jacks. 6X4 RJ-11 jacks (4 Wire), 6X6 RJ-12 (6 Wire)

WT: .01

STOCK #	DESC.	1EA	10+EA
4225-TT	2 Way 6X4 Adapter	\$0.95	\$0.79
4226-TT	2 Way 6X6 Adapter	\$1.00	\$0.89
4909-TT	3 Way 6X4 Adapter	\$1.80	\$1.49

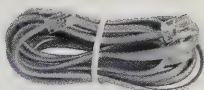
"Y" LINE SPLITTER

Splitter changes a RJ-11 4 X 6 "MOD" 2 line jack into 3 jacks. One jack has Line 1 & Line 2; second jack has Line 1 only and third jack has line 2 only.

WT: .01

STOCK #	DESC.	1EA	2+EA
5936-TT	"Y" Line Splitter	\$1.95	\$1.69

MODULAR PHONE CABLES



RJ-11(4X6) Mod cables made up in convenient lengths. Cross wired for telephone use; or parallel for data use.

STOCK #	LENGTH	DESC.	WT	1EA	10+EA
4241-TT	7ft	Phone	.1	\$1.45	\$1.29
4243-TT	14ft	Phone	.5	\$2.45	\$1.99
4244-TT	14ft	Data	.5	\$2.45	\$1.99
4245-TT	25ft	Phone	1	\$3.49	\$2.99
4246-TT	25ft	Data	1	\$3.49	\$2.99

CAT-5E CROSSOVER CABLE

14ft. Red Cat 5e, 10/100 Base-T Crossover wired (EIA/TIA568B) patch cable. For Uplink or Computer to computer link

Pinned as follows:
1-3 2-6
3-1 4-4
5-5 6-2
7-7 8-8

L: 14ft.

WT: .3

STOCK #	DESC.	1EA
17580-TT	Cat-5e Crossover Cable	\$2.95

TELCO TYPE TEST CLIPS



Mueller JP-8078, 2-1/4" Angled Telco alligator clips with cable piercing tool steel spike. Designed to grip punch-down blocks as well as wire posts etc. Nickel-silver, with brass screw, washer & bronze lock washer. Includes pair of clips plus 1 Red & 1 Black flexible vinyl boot. For test leads, clip leads, or test jigs.

L: 2-1/4"

WT: .088

STOCK #	DESC.	1EA
18160-TL	Mueller Telco Gator Clips	\$6.95

25FT. EXTENSION CORD

4 wire cords with "Mod" Plug on one end & either a single RJ-11 jack or a dual RJ-11 "Y" jack on other.

WT: .1

STOCK #	DESC.	1EA	2+EA
4912-TT	25 Ft Extender	\$2.50	\$2.25
4910-TT	25 Ft "Y" Extender	\$2.90	\$2.49

TYPE 66 PUNCH-DOWN BLOCK

Type 66M punchdown block for terminating 25 pair, multi-line phone cables. Also used for security systems & similar applications

Type 89 Plastic Mounting Bracket for 66M Block

WT: .5 Block .2 Support Bracket .001 Clips

STOCK #	DESC.	1EA	10+EA
7186-TT	66 Punch Down Block	\$21.95	\$21.45
7187-TT	Block Support Bracket	\$2.79	\$2.29
11080-TT	Bridging Clip	\$0.15	\$0.13

UL LISTED FLAT PHONE CABLE

Flat, UL listed multi conductor 26 AWG bulk pack cable. Used to interconnect phone equipment to wall jack, or handset to phone. Silver color. 1000ft put-ups only.

WT: 12lb/1000ft. 4 conductor

STOCK #	DESC.	1EA	5+EA
8349-WI	4 Cond. UL Cable	\$69.95	\$59.95

UL LISTED "MOD" CRIMP PLUGS



Cat-3 Standard crimp-on "Modular" plugs for Flat Cable.

WT: .001

STOCK #	DESC.	1EA	25EA	100+EA
6282-TT	6X4 RJ-11 Plug	\$0.20	\$0.11	\$0.10
6284-TT	8X8 RJ-45 Plug	\$0.35	\$0.20	\$0.19

ECONOMY "MOD" CRIMP PLUGS

Cat-3 Standard crimp-on "Modular" plugs. For flat cable Available for line or handset.

WT: .001

STOCK #	DESC.	1EA	25EA	100+EA
4236-TT	6X4 RJ-11 Plug	\$0.15	\$0.10	\$0.08
4237-TT	6X6 RJ-12 Plug	\$0.20	\$0.15	\$0.12
4238-TT	4X4 Handset Plug	\$0.30	\$0.25	\$0.24

"BEEINIE" SPLICE

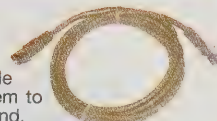
UR or UY style "Beenie" splices for phone & alarm systems. UR: 2port UY: 3port



WT: .2

STOCK #	DESC.	1PK	5+PK
14444-TT	100pcs. "UR" Slice	\$12.95	\$10.95
14445-TT	100pcs. "UY" Slice	\$16.95	\$14.95

DSL CABLE



3-COM "Polarity" patch cable used to connect DSL Modem to Network RJ-45 plugs each end.

Wired:

Pin 1 to Pin 1
Pin 3 to Pin 6
Pin 6 to Pin 3

Pin 2 to Pin 2
Pin 4 & 5 Open

L: 6ft.

WT: .12

STOCK #	DESC.	1EA
17754-TT	3-COM DSL "Polarity" Cable	\$0.59

CAT-5E PATCH CABLES



Flexible, Solid conductor patch cables with RJ-45 (8X8) plugs. Straight wired to T568B ATT-258A standards. 100% tested wire sequence & continuity. Verified to EIA/TIA Cat. 5E standards. Plugs feature 50 micro inch gold plated contacts. Conforms to FCC requirements

STOCK #	DESCRIPTION	WT	1EA	10+EA
16931-TT	1ft. Yellow Cat-5e Cable	.03	\$0.49	\$0.45
16932-TT	1ft. Blue Cat-5e Cable	.03	\$0.49	\$0.45
16934-TT	3ft. Yellow Cat-5e Cable	.05	\$0.69	\$0.59
16935-TT	3ft. Blue Cat-5e Cable	.05	\$0.69	\$0.59
16461-TT	3ft. Gray Cat-5e Cable	.05	\$0.69	\$0.59
16937-TT	7ft. Yellow Cat-5e Cable	.1	\$1.25	\$0.99
16938-TT	7ft. Blue Cat-5e Cable	.1	\$1.25	\$0.99
16462-TT	7ft. Gray Cat-5e Cable	.1	\$1.25	\$0.99
17120-TT	14ft. Yellow Cat-5e Cable	.1	\$1.99	\$1.69
17121-TT	14ft. Blue Cat-5e Cable	.1	\$1.99	\$1.69
17122-TT	14ft. Gray Cat-5e Cable	.1	\$1.99	\$1.69
16943-TT	25ft. Yellow Cat-5e Cable	.4	\$2.99	\$2.69
16944-TT	25ft. Blue Cat-5e Cable	.4	\$2.99	\$2.69
16464-TT	25ft. Gray Cat-5E Cable	.4	\$2.99	\$2.69
16946-TT	50ft. Yellow Cat-5e Cable	.7	\$5.49	\$4.99
16947-TT	50ft. Blue Cat-5e Cable	.7	\$5.49	\$4.99
16465-TT	50ft. Gray Cat-5e Cable	.7	\$5.49	\$4.99
16949-TT	100ft. Yellow Cat-5e Cable	1.2	\$9.95	\$8.95
16950-TT	100ft. Blue Cat-5e Cable	1.2	\$9.95	\$8.95
16951-TT	100ft. Gray Cat-5E Cable	1.2	\$9.95	\$8.95

KEYSTONE VIDEO CONNECTOR

White snap in Keystone Bezels with a 75 ohm type "F" video female connector. For use in distribution systems using keystone style wall plates.

WT: .02

STOCK #	DESC.	1EA	5+EA
14477-TT	F Connector Keystone	\$1.95	\$1.75

FILTERED RJ-45 JACK

Corcom F9600D Single position, PC mount 8X8 contact (RJ-45) telephone modular jack. Each lead feeds through a Ferrite block with a 820pF cap to the shield (ground). Shield covers all but face & bottom. White plastic body & gold pins. Frequency stop band: 30-100MHz. Frequency Pass Band: 2-100MHz. Face fits in .6" sq. cutout. Plug fits Tab Down.

L: 15/16" W: 3/4" H 3/4" WT: .022

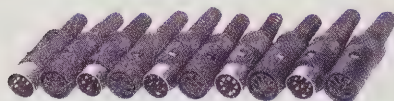
STOCK #	DESC.	1EA
11438-TT	Filtered RJ-45 Jack	\$0.59

"B" SPLICES

Standard type "B" crimp splices. Provides permanent connection for phone or alarm wires.

WT: .001

STOCK #	DESC.	1EA	25EA	100+EA
5873-TT	"B" Splice	\$0.15	\$0.10	\$0.09

STANDARD DIN CABLE CONNECTORS


WT: .02

STOCK #	TYPE	DESC.	1EA	25EA	100+EA
5607-PL	Male	5 Pin 45°	\$0.42	\$0.35	\$0.28
5608-PL	Female	5 Pin 45°	\$0.63	\$0.53	\$0.42
5611-PL	Male	6 Pin	\$0.48	\$0.40	\$0.32
5612-PL	Female	6 Pin	\$0.72	\$0.60	\$0.48
5614-PL	Female	7 Pin	\$0.81	\$0.68	\$0.54
5615-PL	Male	8 Pin	\$0.56	\$0.46	\$0.37

MINI DIN CABLE CONNECTORS


WT: .02

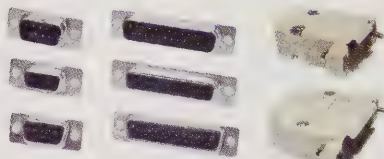
STOCK #	TYPE	DESC.	1EA	25EA	100+EA
5601-PL	Male	4 Pin	\$0.87	\$0.73	\$0.58
5602-PL	Female	4 Pin	\$1.12	\$0.93	\$0.74
5603-PL	Male	6 Pin	\$1.05	\$0.88	\$0.70
5604-PL	Female	6 Pin	\$1.26	\$1.05	\$0.84
5605-PL	Male	8 Pin	\$1.46	\$1.21	\$0.97

DB PC MOUNT CONNECTORS


Right angle PC mount connectors. Metal face, gold plated contacts. 3/4" from face to back.

WT: .02

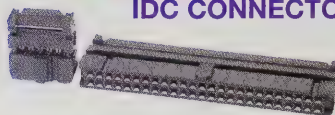
STOCK #	DESC.	1EA	25+EA
4840-PL	DB-9 Female 90° Mount	\$0.59	\$0.55
4896-PL	DB-9 Male 90° Mount	\$0.45	\$0.41
5687-PL	DB-15 Male 90° Mount	\$0.65	\$0.58

DB CONNECTORS


WT: .05

STOCK #	DESC.	1EA	25+EA
2856-PL	DB-9 Male Solder	\$0.24	\$0.19
2857-PL	DB-9 Female Solder	\$0.28	\$0.24
5395-PL	DB-15 Male Hi Den.	\$0.69	\$0.59
5394-PL	DB-15 Female Hi Den.	\$0.79	\$0.69
2859-PL	DB-9 Plastic Hood	\$0.39	\$0.35
2860-PL	DB-15 Male Solder	\$0.45	\$0.36
2861-PL	DB-15 Female Solder	\$0.45	\$0.36
0133-PL	DB-15 Hood	\$0.75	\$0.59
2444-PL	DB-25 Male Solder	\$0.39	\$0.29
2445-PL	DB-25 Female Solder	\$0.59	\$0.49
2446-PL	DB-25 Plastic Hood	\$0.39	-----
2865-PL	DB-37 Male Solder	\$0.65	\$0.52
2866-PL	DB-37 Female Solder	\$0.79	\$0.75
0134-PL	DB-37 Hood	\$1.00	\$0.79
6949-PL	DB-50 Male Solder	\$1.95	\$1.59
6950-PL	DB-50 Female Solder	\$1.85	\$1.39
0136-PL	DB-50 Hood	\$1.25	\$0.95

SIGN-UP FOR OUR EMAIL SPECIALS ON MPJA.COM

IDC CONNECTORS


Insulation displacement header connectors. Gold plated, .025 square pins with .100 spacing.

WT: .03

STOCK #	DESC.	1EA	25+EA
0891-HC	10 (2X5) Socket Header	\$0.39	\$0.29
0893-HC	16 (2X8) Socket Header	\$0.68	\$0.59
2883-HC	20 (2X10) Socket Header	\$0.75	\$0.59
0895-HC	26 (2X13) Socket Header	\$0.75	\$0.59
4709-PL	34 (2X17) Socket Header	\$0.45	\$0.32
2884-HC	40 (2X20) Socket Header	\$0.49	\$0.39
4710-PL	50 (2X25) Socket Header	\$0.49	\$0.39

TELCO TYPE TEST CLIPS


Mueller JP-8078, 2-1/4" Angled Telco alligator clips with cable piercing tool steel spike. Designed to grip punch-down blocks as well as wire posts etc. Nickel-silver, with brass screw, washer & bronze lock washer. Includes pair of clips plus 1 Red & 1 Black flexible vinyl boot. For test leads, clip leads, or test jigs. L: 2-1/4"

WT: .088

STOCK #	DESC.	1EA
18160-TL	Mueller Telco Gator Clips	\$6.95

BATTERY CLIPS & BOOTS


Handy mesh jaw, steel battery clip with insulated Red or Black Vinyl plastic boot. Amp listed is Max for part.

STOCK #	DESC.	WT.	1EA	5+EA
16437-BC	5A Clip Red	.015	\$0.25	\$0.15
16438-BC	5A Clip Black	.015	\$0.25	\$0.15
16439-BC	10A Clip Red	.05	\$0.35	\$0.25
16440-BC	10A Clip Black	.05	\$0.35	\$0.25
16441-BC	20A Clip Red	.03	\$0.40	\$0.30
16442-BC	20A Clip Black	.03	\$0.40	\$0.30
16443-BC	30A Clip Red	.04	\$0.45	\$0.35
16444-BC	30A Clip Black	.04	\$0.45	\$0.35
16445-BC	50A Clip Red	.06	\$0.59	\$0.49
16446-BC	50A Clip Black	.06	\$0.59	\$0.49

ALLIGATOR CLIPS & BOOTS


Alligator clips with Red or Black Vinyl boot. Solder or crimp. mm listed is length of metal clip

STOCK #	DESC.	WT.	1EA	5+EA
16450-AL	27mm Clip Red	.003	\$0.10	\$0.05
16451-AL	27mm Clip Blk	.003	\$0.10	\$0.05
16452-AL	35mm Clip Red	.005	\$0.15	\$0.07
16453-AL	35mm Clip Blk	.005	\$0.15	\$0.07
16454-AL	45mm Clip Red	.009	\$0.19	\$0.09
16455-AL	45mm Clip Blk	.009	\$0.19	\$0.09
16456-AL	50mm Clip Red	.013	\$0.29	\$0.12
16457-AL	50mm Clip Blk	.013	\$0.29	\$0.12

DUAL BINDING POSTS

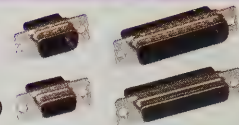

Red & Black, safety binding posts accept banana plug in top or wire through hole in side. All front panel connections are recessed to prevent contact. Mounts in double .50" holes on .75" ctr. Solder terminals onback.

WT: .07

STOCK #	DESC.	1EA	10+EA
14492-PL	Dual BindingPost	\$1.95	\$1.75

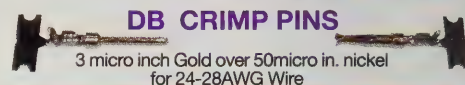
DB CRIMP CONNECTORS

Metal face DB Housings for crimp pins (Not included)



WT: .1

STOCK #	DESC.	1EA	4+EA
16251-PL	DB-9 Male Crimp	\$0.59	\$0.49
16252-PL	DB-9 Female Crimp	\$0.59	\$0.49
16253-PL	DB-15 Male Crimp	\$0.69	\$0.59
16254-PL	DB-15 Female Crimp	\$0.69	\$0.59
16255-PL	DB-25 Male Crimp	\$0.69	\$0.59
16256-PL	DB-25 Female Crimp	\$0.69	\$0.59
16257-PL	DB-37 Male Crimp	\$1.19	\$0.99
16258-PL	DB-37 Female Crimp	\$1.19	\$0.99
16259-PL	DB-50 Male Crimp	\$2.99	\$2.79
16260-PL	DB-50 Female Crimp	\$2.99	\$2.79
16261-PL	DB-15 Male Hi Den.	\$0.79	\$0.69
16262-PL	DB-15 Female Hi Den.	\$0.79	\$0.69

DB CRIMP PINS


3 micro inch Gold over 50micro in. nickel for 24-28AWG Wire

STOCK #	DESC.	1EA	4+EA
16265-PL	Male Crimp Pin/100	\$4.99	\$4.49
16266-PL	Female Crimp Pin/100	\$4.99	\$4.49
16267-PL	Male Crimp Pin/5KReel	\$99.00	---
16268-PL	Female Crimp Pin/5KReel	\$99.00	---
16269-PL	HD Male Crimp Pin/100	\$4.99	\$4.49
16270-PL	HD Female Crimp/100	\$4.99	\$4.49
16271-PL	HD Male Crimp/5KReel	\$99.00	---
16272-PL	HD Female Crimp/5KReel	\$99.00	---

DB CONNECTOR PIN CRIMP TOOL


Multi Purpose Crimp Tool Features: Cushioned Grips. Use: Crimping Open (stamped) D-Sub Pins, Terminal Lugs. For 14-26 AWG Wire, NOTE: Will not crimp High Density DB Pins.

WT: .6

STOCK #	DESC.	1EA	10EA
11763-TL	Multi Crimp Tool	\$9.95	\$7.95

DB CRIMP PIN EXTRACTOR

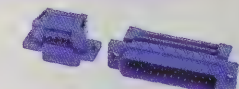

Tool used to extract crimp pins from insertion type DB connectors. Double ended For Pin & Socket type connectors (16251-PL - 16262-PL)

WT: .03

STOCK #	DESC.	1EA
17124-TL	DB-Crimp Pin Extractor	\$4.75

DB CONNECTORS INSULATION DISPLACEMENT

GOLD PLATED CONTACTS FOR .05" SPACING FLAT CABLE



WT: .1

STOCK #	DESC.	1EA	25+EA
2870-PL	DB-9 Male IDC	\$1.95	\$1.59
2871-PL	DB-9 Female IDC	\$1.95	\$1.59
2872-PL	DB-15 Male IDC	\$2.25	\$1.79
2873-PL	DB-15 Female IDC	\$2.25	\$1.79
0922-PL	DB-25 Male IDC	\$1.50	\$1.19
0928-PL	DB-25 Female IDC	\$1.50	\$1.19

BANANA PLUGS

Black banana plugs with nickel plated brass Four leaved spring tip, thermoplastic cover. Solder connection.

WT: .05

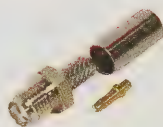
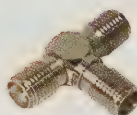
STOCK #	DESC.	1EA	10+EA
8070-PL	Red Banana Plug	\$0.25	\$0.19
8071-PL	Black Banana Plug	\$0.25	\$0.19

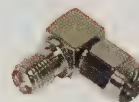
BNC CONNECTORS

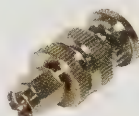


STOCK #	FIG.	TYPE	RG CABLE	DESCRIPTION	WT.	1EA	25+EA	100+EA
3999-RC	A		58	2 Piece Crimp BNC Female Connector	.02	\$1.25	\$0.99	\$0.89
4585-RC	A		59,62	2 Piece Crimp BNC Female Connector	.02	\$1.25	\$0.99	\$0.89
4586-RC	A		6	2 Piece Crimp BNC Female Connector	.02	\$1.25	\$0.99	\$0.89
4587-RC	A		Teflon 59, 62	2 Piece Crimp BNC Female Connector	.02	\$1.50	\$1.25	\$0.99
5416-RC	B		58	Twist-on BNC Female Connector	.02	\$1.65	\$1.39	\$1.25
5417-RC	B		59,62	Twist-on BNC Female Connector	.02	\$1.65	\$1.39	\$1.25
5418-RC	B		Teflon 59,62	Twist-on BNC Female Connector	.02	\$1.65	\$1.39	\$1.25
5401-RC	C		58	Standard 3 Piece Crimp BNC Male Connector	.02	\$1.25	\$0.99	\$0.89
5402-RC	C		Teflon 58	Standard 3 Piece Crimp BNC Male Connector	.02	\$1.25	\$0.99	\$0.89
5403-RC	C		59,62	Standard 3 Piece Crimp BNC Male Connector	.02	\$1.25	\$0.99	\$0.89
5404-RC	C		Teflon 59, 62	Standard 3 Piece Crimp BNC Male Connector	.02	\$1.25	\$0.99	\$0.89
5405-RC	C		6	Standard 3 Piece Crimp BNC Male Connector	.02	\$1.25	\$0.99	\$0.89
5406-RC	C		Belden 8281	Standard 3 Piece Crimp BNC Male Connector	.02	\$1.25	\$0.99	\$0.89
5426-RC	D		58	2 Piece Crimp BNC Male Connector	.02	\$1.20	\$0.99	\$0.89
5427-RC	D		Teflon 58	2 Piece Crimp BNC Male Connector	.02	\$1.20	\$0.99	\$0.89
5428-RC	D		59,62	2 Piece Crimp BNC Male Connector	.02	\$1.20	\$0.99	\$0.89
5429-RC	D		Stranded 59,62	2 Piece Crimp BNC Male Connector	.02	\$1.20	\$0.99	\$0.89
5430-RC	D		Teflon 59,62	2 Piece Crimp BNC Male Connector	.02	\$1.20	\$0.99	\$0.89
5431-RC	D		6	2 Piece Crimp BNC Male Connector	.02	\$1.45	\$1.25	\$1.15
5432-RC	D		Belden 8281	2 Piece Crimp BNC Male Connector	.02	\$1.49	\$1.25	\$1.10
5420-RC	E		58	Twist-on BNC Male Connector	.02	\$1.50	\$1.25	\$0.99
5421-RC	E		Teflon 58	Twist-on BNC Male Connector	.02	\$1.50	\$1.25	\$0.99
5422-RC	E		59,62	Twist-on BNC Male Connector	.02	\$1.50	\$1.25	\$0.99
5423-RC	E		Teflon 59,62	Twist-on BNC Male Connector	.02	\$1.50	\$1.25	\$0.99
5424-RC	E		6	Twist-on BNC Male Connector	.02	\$1.50	\$1.25	\$0.99
5425-RC	E		Belden 8281	Twist-on BNC Male Connector	.02	\$1.65	\$1.35	\$1.15
5412-RC	F		58	3 piece Solder BNC Male Connector	.02	\$2.35	\$2.15	\$2.05
5413-RC	F		59,62	3 piece Solder BNC Male Connector	.02	\$1.50	\$1.30	\$1.19
5414-RC	F		Teflon 59,62	3 piece Solder BNC Male Connector	.02	\$1.50	\$1.30	\$1.19
5433-RC	G		58	Standard Solder BNC Male Connector	.02	\$1.45	\$1.25	\$1.15
5434-RC	G		59,62	Standard Solder BNC Male Connector	.02	\$1.45	\$1.25	\$1.15
9224-RC	I	UG-290	-	BNC Female 4 Hole Panel Mount	.1	\$1.69	\$1.59	\$1.49
0507-RC	J	UG1094	-	BNC Female Single Hole Panel Mount	.1	\$1.00	\$0.89	\$0.79
0508-RC	L		-	BNC Adaptor 2 Female Connectors	.1	\$0.99	----	----
0509-RC	M		-	BNC Adaptor 2 Male Connectors	.1	\$1.95	\$1.79	\$1.60
0557-RC	N	UG492	-	BNC Bulkhead Mount 2 Female Connectors Not Isolated	.1	\$2.95	\$2.59	\$2.19
5435-RC	N	UG492	-	BNC Bulkhead Mount 2 Female Connectors Isolated	.1	\$3.35	\$2.79	\$2.25
0511-RC	P		-	BNC "TEE" 2 Female & 1 Male Connectors	.1	\$2.25	\$1.99	\$1.59
5437-RC	Q		-	BNC "TEE" 3 Male Connectors	.1	\$4.95	\$4.49	\$4.25
6518-RC	R		-	BNC LAN "TEE" 2 Female & 1 Male Connectors	.1	\$4.99	\$4.59	\$4.29
0510-RC	S	UG306	-	BNC "Elbow" 1 Female - 1 Male Connectors	.1	\$2.50	\$1.95	\$1.59
3131-PL	T		-	BNC Male 93 Ohm 1/2 Watt Terminator	.1	\$2.49	\$1.95	\$1.59
3137-PL	T		-	BNC Male 75 Ohm 1/2 Watt Terminator	.1	\$2.49	\$1.95	\$1.59
3138-PL	T		-	BNC Male 50 Ohm 1/2 Watt Terminator	.1	\$2.49	\$1.95	\$1.59
7547-RC	U		-	BNC Male 50 Ohm 1/2 Watt Terminator/4" Chain	.1	\$1.95	\$1.89	----
11564-RC	V		-	BNC Straight "TEE" 2 Female & 1 Male Connectors	.03	\$5.95	\$5.59	\$4.69

SMA CONNECTORS & ADAPTERS

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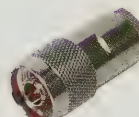
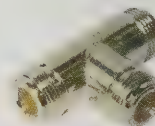
L

M

STOCK #	FIG.	RQ CABLE	DESCRIPTION	WT.	1EA	25+EA	100+EA
11833-RC	B	RG-58A	3 pc. Crimp type Male Connector, Teflon Insulator, Gold Plated Center Pin	.02	\$1.49	\$1.28	\$1.03
11834-RC	B	RG-59/62	3 pc. Crimp type Male Connector, Teflon Insulator, Gold Plated Center Pin	.02	\$1.49	\$1.28	\$1.03
11836-RC	C	RG-59/62	3 pc. Crimp type Female Connector, Teflon Insulator, Gold Plated Center Pin	.02	\$1.89	\$1.62	\$1.31
11840-RC	G		3 Female "TEE" Connector, Teflon Insulator, Gold Plated Center Pin	.02	\$3.75	\$3.20	\$2.58
11841-RC	H		1 Male-2 Female "TEE" Connector, Teflon Insulator, Gold Plated Center Pin	.02	\$3.75	\$3.20	\$2.58
11842-RC	I		Male- Female Right Angle Connector, Teflon Insulator, Gold Plated Center Pin	.02	\$3.39	\$2.75	\$2.22
11843-RC	J		Male SMA-BNC Female	.02	\$2.79	\$2.59	----
11844-RC	K		Male SMA-BNC Male	.02	\$3.29	\$2.75	\$2.65
11845-RC	L		Female SMA-BNC Male	.02	\$2.95	\$2.59	\$2.09
11846-RC	M		Male SMA-UHF Female	.02	\$2.99	\$2.65	\$2.13

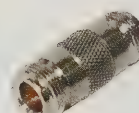
"N" CONNECTORS

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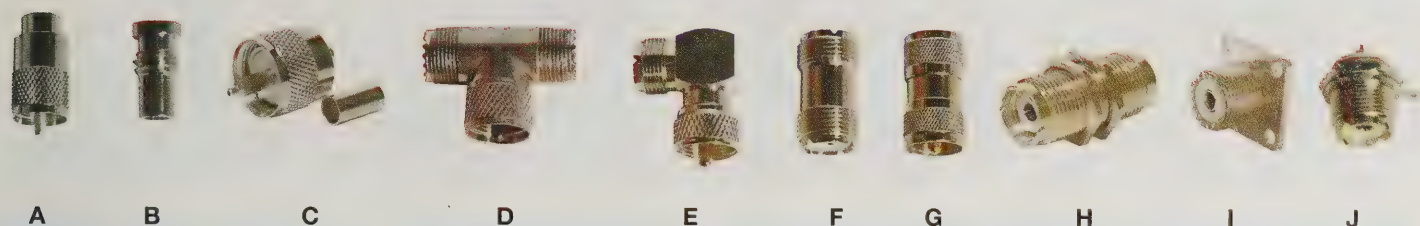
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STOCK #	FIG.	TYPE	RQ CABLE	DESCRIPTION	WT.	1EA	25+EA	100+EA
5445-RC	A	-	8,11,213,214	Twist-on "N" Male Connector	.05	\$3.25	\$2.95	\$2.25
5446-RC	B	-	8,11,213,214	3 pc Crimp-on "N" Male Connector	.05	\$4.95	\$4.75	\$4.59
5447-RC	B	-	59U	3 pc Crimp-on "N" Male Connector	.05	\$2.95	\$2.75	\$2.45
5448-RC	E	-	-	50 Ohm Terminator "N" Male Connector	.1	\$3.95	\$3.69	\$2.95
0534-RC	G	UG-28	-	"N" "TEE" with 3 Female Connectors	.1	\$5.95	\$5.75	\$5.49
0517-RC	H	UG-107	-	"N" "TEE" 2 Female & 1 Male Connectors	.1	\$5.00	\$4.59	\$3.98
0516-RC	J	UG-27	-	"N" "Elbow" 1 Female & 1 Male Connector	.1	\$4.95	\$4.49	\$4.25
0515-RC	K	UG-57	-	"N" Adaptor with 2 Male Connectors	.1	\$2.95	\$2.77	\$2.59
0514-RC	L	UG-29	-	"N" Adaptor with 2 Female Connectors	.1	\$3.45	\$2.95	\$2.79
0513-RC	M	UG-58	-	"N" Female 4 Hole Panel Mount	.1	\$2.50	\$2.33	\$1.98

UHF CONNECTORS



STOCK #	FIG.	TYPE	RG CABLE	DESCRIPTION	WT.	1EA	25+EA	100+EA
0500-RC	A	PL-259	8,11,213,214	Solder Type UHF Male Connector with Plastic Insulator	.02	\$1.30	\$1.25	\$1.20
4690-RC	A	PL-259	8,11,213,214	Solder Type UHF Male Connector	.02	\$2.20	\$2.10	\$1.99
4691-RC	B	175	Reducer For 58U	Silver Plated Adaptor RG-58 Cable to UHF Connector	.01	\$0.59	\$0.55	\$0.49
4692-RC	B	176	Reducer For 59U	Silver Plated Adaptor RG-59 Cable to UHF Connector	.01	\$0.59	\$0.55	\$0.49
5438-RC	C	PL-259	58	2 Piece Crimp UHF Male Connector	.05	\$1.65	\$1.45	----
5439-RC	C	PL-259	59	2 Piece Crimp UHF Male Connector	.05	\$1.25	\$0.99	\$0.89
5442-RC	A	PL-259	58	Twist-on UHF Male Connector	.05	\$1.75	\$1.65	\$1.55
5443-RC	A	PL-259	59	Twist-on UHF Male Connector	.05	\$1.25	\$1.10	\$0.99
0505-RC	D	M-358	-	UHF "TEE" 2 Female-1 Male	.1	\$2.45	\$2.25	\$1.95
0504-RC	E	M-359	-	UHF "Elbow" 1 Female-1 Male	.1	\$2.00	\$1.79	\$1.59
0502-RC	F	PL-258	-	UHF Adaptor 2 Females	.1	\$1.25	\$1.10	\$0.99
0503-RC	G	DM-1	-	UHF Adaptor 2 Males	.1	\$2.49	\$2.35	\$2.25
0583-RC	H	363	-	UHF Threaded Bulkhead 2 Females	.1	\$3.95	\$3.75	\$3.45
0501-RC	I	SO-239	-	UHF Female 4 Hole Panel Mount	.1	\$1.75	\$1.60	----
5444-RC	J	-	-	UHF Female Single Hole Mount	.1	\$1.75	\$1.65	\$1.55

"F" TYPE CONNECTORS & ADAPTORS



Type "F" connectors & adaptors are used to match Antenna & Cable TV equipment to Audio/Visual Jacks on VCRs, Monitors, Switchers etc. WT: .01

STOCK #	FIG.	TYPE	CABLE	DESCRIPTION	1EA	10+EA
0538-RC	A	F-59	59U	Male Cable Attached 1/4 Ring	\$0.20	\$0.16
5450-RC	A	F-56	6U	Male Cable Attached 1/4 Ring	\$0.20	\$0.18
9231-RC	B	F-59	6U	Male Cable separate 1/4 Ring	\$0.17	\$0.16
9232-RC	B	F-59	59U	Male Cable separate 1/4 Ring	\$0.17	\$0.16
0563-RC	C	F-59T	59U	Male Cable Twist-on	\$0.35	\$0.29
5451-RC	C	F-56T	6U	Male Cable Twist-on	\$0.35	\$0.29
5453-RC	D	-	6U	Female Cable Attached 1/2 Ring	\$0.89	\$0.75
0588-RC	E	-	59U	Male Twist-on Quick Connect	\$0.35	\$0.29
5455-RC	F	-	59U	Male Quick Conn./Crimp Ring	\$0.49	\$0.39
0539-RC	G	F-61	-	Female Panel Mount with Nut	\$0.49	\$0.39
5454-RC	H	F-71	-	Male to Male In-line	\$0.69	\$0.55
0541-RC	K	F-81	-	Female to Female Bulkhead with Nut	\$0.49	\$0.39
0586-RC	M	-	-	Male Quick conn. to Standard Female	\$0.50	\$0.39
7097-RC	N	-	-	Male to Female Right Angle Adaptor	\$0.75	\$0.59
0591-RC	O	-	-	Male to BNC Female Adaptor	\$1.50	\$1.19
0540-RC	P	-	-	Female to BNC Male Adaptor	\$1.30	\$0.95
0589-RC	Q	-	-	Female to RCA Jack	\$1.30	\$0.95
0590-RC	R	-	-	Female to RCA Plug	\$0.75	\$0.59
11448-RC	S	-	-	Male to RCA Jack	\$1.30	\$1.19
5456-RC	T	-	-	Male 75ohm Terminator 1/2W	\$0.33	\$0.29

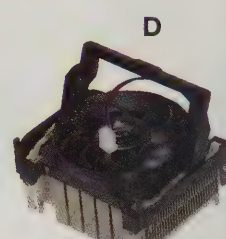
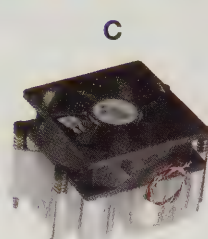
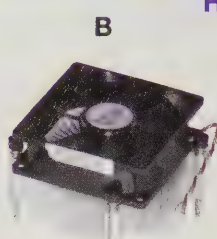
BETWEEN SERIES ADAPTORS



Connectors & adaptors are used to match Transceivers, Antenna, Cable TV, etc to other various equipment.

STOCK #	FIG.	TYPE	DESCRIPTION	1EA	10+EA
0519-RC	A	UG255	BNC Male to UHF Female	\$2.50	\$1.95
7296-RC	B	-	BNC Male to UHF Male	\$4.95	\$4.65
0518-RC	C	UG273	BNC Female to UHF Male	\$1.95	\$1.65
7297-RC	D	-	BNC Female to UHF Female	\$2.95	\$2.75
0523-RC	E	UG349	BNC Male to "N" Female	\$3.95	\$3.65
0521-RC	F	UG201	BNC Female to "N" Male	\$2.50	\$1.95
0574-RC	G	-	BNC Female to "N" Female	\$4.95	\$4.75
11031-PL	H	-	1/8in Male to RCA Female	\$0.89	\$0.79
7298-RC	I	-	BNC Male to RCA Male	\$2.10	\$1.69
0548-RC	J	-	BNC Female to RCA Male	\$1.30	\$0.95
0549-RC	K	-	BNC Male to RCA Female	\$1.25	\$0.95
0522-RC	L	UG83	UHF Male to "N" Female	\$3.95	\$3.65
0520-RC	M	-	UG146UHF Female to "N" Male	\$3.40	\$2.75
0547-RC	N	-	UHF Female to RCA Male	\$1.50	\$0.95
0546-RC	O	-	UHF Male to RCA Female	\$1.50	\$0.95
0578-RC	Q	-	TNC male to BNC Female	\$2.50	\$1.95
15336-RC	R	-	"N" male to "F" Female	\$3.25	\$2.50

HEATSINKS



STOCK #	RE	FINISH	DESCRIPTION	DIM. L X W X H	MANU./PART NUMBER	WT.	1EA	5+EA
17045-HK	A	Natural	AMDDuron/Athlon XP2100/MP1200 Socket A Assembly	3-1/8" X 2-1/2" X 2-1/2"	AVC/112C80FBL03	.63	\$4.95	\$3.95/25
Aluminum sink with Thermal pad. Attached 60mm sq. 12VDC/.1A 14+CFM fan with stall detection, 5" leads								
18710-HK	B	Natural	H/P motherboard INTEL CPU	3-1/2" X 3-1/2" X 2-7/8"	AVC-hp/617755-001	.78	\$6.95	---
Fan offset from mtg. screws. Rounded Aluminum sink with round Thermal pad. Attached 80mm sq. 12VDC CFM fan with stall detection, 4" leads								
18709-HK	C	Natural	H/P motherboard INTEL CPU	4" X 3-1/4" X 2-1/2"	AVC-hp/583417-001	.56	\$6.95	---
Fan aligned to Mtg. screws. Rect. Aluminum sink with round Thermal pad. Attached 80mm sq. 12VDC CFM fan with stall detection, 4" leads								
16801-HK	D	Natural	Intel P4 Prescott Socket 478 Heatsink Assembly	3-5/8" X 2-11/16" X 1-5/16"	Delta	1	\$6.95	\$5.95(10+)
Aluminum sink/massive copper base, with 80mm Rnd. 12VDC fan with stall detection, 5" leads (for Sony VAIO & PCs with Socket 478 MotherBoard)								

CPU LIQUID COOLING SYSTEM

MFG: SANYO DENKI
P/N: 109-LC1-003
Input: 12VDC X 2
Fan: .25A Max.
Pump: .12A

360° WEB

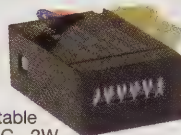


Thermal Resistance: .22K/W HI/ .25K/W lo speed (for Ref: Std. Heatsink/Fan: ~.4K/W)
Self contained, Sealed Air/Liquid heat exchange CPU Cooler for Socket LGA775 P.C. motherboards provides 30%+ improvement over standard CPU fan/heatsink. System consists of Fan/Radiator/Pump assembly with Flexible plastic piping to nickel plated Copper Plate, includes metal CPU clamp.
Variable speed fan Rated 2400RPM Max @ 42db noise above 35deg. "C", 1300RPM Min. @ 28db noise below 25 deg. "C".
Radiator: Aluminum multi Fin & tube. 6-1/4" X 6-1/2" X 1/2"
O/A: 6-7/8" X 7-3/4" X 3"
Cold Plate: 2-1/8" X 1-3/4"
Tubing: Fluoropolymer 8" long.
NOTE: DESIGNED TO FIT A SPECIAL TOWER CASE MAY REQUIRE MODIFICATIONS TO YOUR CASE
No Case hardware supplied

WT: 2.9

STOCK #	DESC.	1EA
17515-HK	CPU Cooler Assembly	\$39.95

24VDC IMPULSE COUNTER



TAMURA E6306 Digit, non-resettable impulse counter rated: 24VDC, 2W, 10CPS. Plastic case Base mounts 2in. leads to 4 Pin Connector. All are set to "0"
W: 1-3/16" H: 39/64" D: 2" WT: .16

STOCK #	DESC.	1EA
17949-MI	Tamura 24VDC Counter	\$1.95

250 PSI GAUGE



2" Dia, 0-250 PSI gauge with right side 1/8" NPT brass nipple. Rec needle, Black legend on white bar ground. Steel case with plastic face.

Dia: 2" T: 1" W: 2-7/8" O/A WT: .18

STOCK #	DESC.	1EA
18755-HD	250PSI Gauge	\$4.95

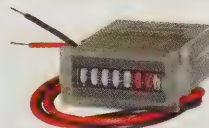
SUSPA P/N C16-09786 gas extension spring. Used to lift & support equipment hoods & doors, car hoods & trunk lids.
Ball pivot on both ends, threaded 1/4-20 Center -to-center Extended length: 19.7in. Center -to-center Compressed length: 11.8in Extension Force: 30lbs.

GAS SPRING

WT: .8

STOCK #	DESC.	1EA	10+EA
16694-HD	Suspa Gas Spring	\$3.95	\$3.50

24VDC RUNNING TIME METER



ENM T33 series low power, Non-Resetable Time meter. 7digit, crystal controlled impulse counter. Black Face with White & Red numbers, Max 99999.99 hrs. 24VDC Operation, 10mW draw. Snap-in, front mounts in 1.18" X .51 cutout. 11" leads

W: 1-1/4" H: 9/16" D: 1-7/16" WT: .05

STOCK #	DESC.	1EA	5EA
17906-MI	24VDC ENM Time Meter	\$14.95	\$12.95

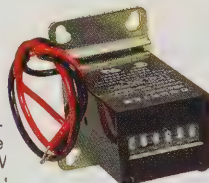
DUAL WHEEL CASTER-SET



Set of 4 Faultless Plate casters, 2 with brake & 2 plane. Rated load of 100lb/caster. Twin 60mm dia. plastic wheels offer independent rotation for use on carpeting or tile. 2-1/2" square steel top plate with 2 holes.
H: 3" O/A T: 1 WT: 1.1

STOCK #	DESC.	1EA
17343-HD	Plate Caster 4 Pc. Set	\$8.95

6VDC IMPULSE COUNTER



KEP P/N KE610FB, non-resettable, 6 Digit, impulse counter. Rated 5-6VDC/2V 10CPS. Plastic case with mounting base. 9in. leads. All start below "0" (9998xx) to allow setup & testing of end equipment.

H: 2-3/8" W: 1-3/8" D: 2-1/4" O/A WT: .2

STOCK #	DESC.	1EA
18314-MI	6VDC KEP Counter	\$2.95

24VDC IMPULSE COUNTER



HANG ZHOU P/N DJ625, non-resettable, 6 Digit, impulse counter. Rated 24VDC/.6W/10CPS. Plastic case snap-in mounts into a 1" X 17/32" cutout. 12in. leads. All have a couple of test counts on them

W: 1-1/16" H: 7/8" D: 1-3/8" WT: .04

STOCK #	DESC.	1EA	25+EA
16521-MI	24VDC Counter	\$1.95	\$1.50

24VDC IMPULSE COUNTER



TAMURA ot 6 Digit, non-resettable 24VDC impulse counter. Plastic case snap-in mounts into a 1" X 17/32" cutout. 4in. leads. All are set around 999XXX to allow testing of equipment once installed.

W: 1-1/16" H: 7/8" D: 1-3/8" WT: .04

STOCK #	DESC.	1EA	5+EA
15551-MI	Tamura Counter	\$3.95	\$3.50

SUCTION CUP MOUNT

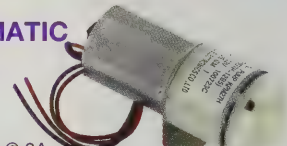


Adjustable Plastic bracket with 2-3/4" suction cup for attachment to really smooth surface like glass. Possibly holds a GPS or microphone, we're not sure.

L: 5" WT: .3

STOCK #	DESC.	1EA
18521-MI	Adj. Arm /Suction Cup	\$3.95

MINI PNEUMATIC PUMP



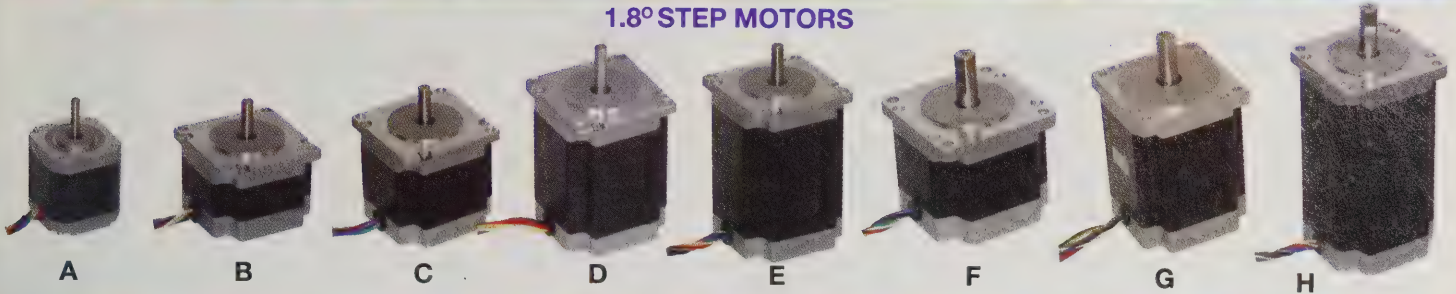
MFG: KOGE
P/N: KPM27H
Power: 12VDC nom@.3A
Ports: 0.19" hose Bib
REMOVED FROM EQUIPMENT Diaphragm, oilless air pump rated 2.0l/min. no load. Max pressure: 350mmHg. Plastic pump body. For use in coffee units, lab equipment, blood pressure monitors, sampling inst. 2in. leads. Single hole stainless mounting bracket.

L: 3" O/A W: 1-1/2" H: 1-1/8" WT: .14

STOCK #	DESC.	1EA
18831-MI	Koge Mini Air Pump	\$4.95

THOUSANDS
more Items on www.mpja.com

1.8° STEP MOTORS



4 corner mtg. holes, Steel Shaft, 24" leads.

STOCK #	FIG.	NEMA	VOLTS	AMPS	IND.	OHMS	HOLD TORQ.	P/NUMBER	TYPE	DIM. (body)	L X SQ.	SHAFT	WT	TEA
18735-MS	A	17	5.2VDC	.5	7mH	10.5	1.5Kg/cm	42BYGH3404	4 Phase/Uni-Polar6 lead	1-3/8" x 1-5/8"	5 X 17mm		.5	\$9.95
18733-MS	A	17	12VDC	.31	18.5mH	38	1.6Kg/cm	42BYGH007	4 Phase/Uni-Polar6 lead	1-3/8" x 1-5/8"	5 X 17mm/flat		.5	\$9.95
17453-MS	A	17	5.2VDC	1	5.2mH	5.2	3.2Kg/cm	42BYGH4806	4 Phase/Uni-Polar6 lead	2" x 1-5/8"	5 X 22mm		.84	\$15.95
18734-MS	A	17	12VDC	.4	25mH	30	3.2Kg/cm	42BYGH404	4 Phase/Uni-Polar6 lead	1-7/8" x 1-5/8"	5 X 22mm		.76	\$10.95
18686-MS	B	23	2.8VDC	2	1.2mH	1.4	4.2Kg/cm	57BYGH008	4 Phase/Uni-Polar6 lead	1-5/8" x 2-3/16"	6.35 X19mm		1	\$17.95
17454-MS	B	23	24VDC	.34	90mH	71	4.4Kg/cm	57BYGH006	4 Phase/Uni-Polar6 lead	1-5/8" x 2-3/16"	6.35 X19mm		1	\$17.95
17455-MS	C	23	6.2VDC	1	10mH	6.2	9Kg/cm	57BYGH213	4 Phase/Uni-Polar6 lead	2-3/8" x 2-3/16"	6.35 X19mm		1.6	\$14.95
18728-MS	C1	23	6.2VDC	1	10mH	6.2	9Kg/cm	57BYGH213-25	4 Phase/Uni-Polar6 lead	2-3/8" x 2-3/16"	6.35 X20mm/Dual		1.6	\$15.95
18189-MS	D	23	5.7VDC	2.3	5.3mH	2.5	16Kg/cm	57BYGH303	4 Phase/Uni-Polar6 lead	3" x 2-3/16"	6.35 X25mm		2.3	\$23.95
18729-MS	D1	23	5.7VDC	2.3	5.3mH	2.5	16Kg/cm	57BYGH303-50	4 Phase/Uni-Polar6 lead	3" x 2-3/16"	6.35 X24mm/Dual		2.4	\$22.95
18687-MS	D	23	4.5VDC	2.5	3mH	1.8	18Kg/cm	57BYGH317	4 Phase/Uni-Polar6 lead	3" x 2-3/16"	6.35 X25mm		3.4	\$24.95
17456-MS	E	23	3.6VDC	3	2.4mH	1.2	21Kg/cm	57BYGH405A	4 Phase/Uni-Polar6 lead	3-1/4" x 2-3/16"	6.35 X19mm		2.6	\$34.95
17458-MS	F	34	3.0VDC	3	4.05mH	1	23Kg/cm	85BYGH450A-04	4 Phase/Uni-Polar6 lead	3" x 3-3/8"	13 X35mm		4.7	\$54.95
18190-MS	G	34	6.0VDC	2	12mH	3	48Kg/cm	85BYGH450B-03	4 Phase/Uni-Polar8 lead	4-17/32" x 3-3/8"	13 X35mm		8.1	\$68.00
17457-MS	H	34	7.8VDC	2	24mH	3.9	63Kg/cm	85BYGH450C-01	4 Phase/Uni-Polar8 lead	6" x 3-3/8"	13 X35mm		11	\$79.95

MINI STEP MOTOR DRIVER

P/N: QJ-215
INPUT: 12-36VDC
OUTPUT: Selectable up to 1.5A max.
STEP ANGLE: 1.8 deg (200steps/Rev.)
 Microstep: 1/2-1/4-1/8-1/16-1/32-1/64
 Full bridge driver for hybrid stepmotors.
 Switch Selectable output current.
 Over temp Protected.
 Opto isolated Step pulse input (Clock input +5V Level).
 Opto Isolated Direction input (+5V Level)
 Opto Isolated Reset input (+5V Level)
 Terminal strips in/out.

L: 3-15/16"	W: 2-5/16"	T: 3/4"	WT: .5
STOCK #	DESC.	TEA	
18187-MS	Mini Stepper Driver	\$54.90	

3A STEP MOTOR DRIVER

P/N: CW230
INPUT: 24-36VDC
OUTPUT: Selectable up to 3A max.
STEP ANGLE: 1.8 deg (200steps/Rev.)
 Microstep: 1/2-1/4-1/8-1/16-1/32-1/64
 Full bridge driver for hybrid stepmotors.
 Switch Selectable output current.
 Over temp & Output miswire Protected.
 Opto isolated Step pulse input (Clock input +5V Level).
 Opto Isolated Direction input (+5V Level)
 Opto Isolated Reset input (+5V Level)
 Terminal strips in/out.

L: 4-5/8"	W: 2-3/4"	H: 1-3/8"	WT: .7
STOCK #	DESC.	TEA	
17451-MS	CW230 Stepmotor Driver	\$48.50	

5A STEP MOTOR DRIVER

P/N: CW250
INPUT: 20-60VDC
OUTPUT: Selectable up to 5A max.
STEP ANGLE: 1.8 deg (200steps/Rev.)
 Microstep: 1/8: 1600 steps/Rev.
 Full bridge driver for hybrid stepmotors.
 Switch Selectable output current.
 Over temp & Output miswire Protected.
 Opto isolated Step pulse input (Clock input +5V Level).
 Opto Isolated Direction input (+5V Level)
 Terminal strips in/out.

L: 5-3/4"	W: 3-3/4"	H: 1-3/4"	WT: 1.5
STOCK #		DESC.	TEA
17452-MS		CW250 Stepmotor Driver	\$49.95

6A STEP MOTOR DRIVER

P/N: CW260C
INPUT: 24-70VDC
OUTPUT: Selectable up to 6A max.
STEP ANGLE: 1.8 deg (200steps/Rev.)
 Microstep: 1/2-1/4-1/8-1/16-1/32-1/64-1/128-1/256
 1/5-1/10-1/25-1/50-1/125-1/250
 Full bridge driver for hybrid stepmotors.
 Switch Selectable output current.
 Over temp & Output miswire Protected.
 Opto isolated Step pulse input (Clock input +5V Level).
 Opto Isolated Direction input (+5V Level)
 Opto Isolated Reset input (+5V Level)
 Terminal strips in/out.

L: 5-13/16"	W: 3-13/16"	T: 1-3/16"	WT: 1.2
STOCK #	DESC.	TEA	
18188-MS	CW260C Step Motor Driver	\$96.00	

3V/ 1.8Deg.STEP MOTOR

MFG: ASTROSYN
 P/N: 23KM-K213-P7V
COIL: 3VDC/1.8 ohms/2.6mH
TYPE: 2 Phase Uni-Polar, 6 lead
STEP ANGLE: 1.8 deg
 1/4" [Dia.] X 1" steel shaft with press fit steel COG belt pulley. Four corner mounting holes. 4" leads.

L: 1-3/4" (Body)	SQ: 2-3/16"	WT: 1.1
STOCK #	DESC.	TEA
17276-MS	Astrosyn 1.8Deg. Stepmotor	\$10.95

AC POWERED DRIVER

P/N: CW1108
INPUT: 110VAC, 60hz
OUTPUT: Selectable from .5 to 8A max.
STEP ANGLE: 1.8 deg (200steps/Rev.)
 Microstep: 1;1/2;1/4;1/5;1/6;1/8;1/10;1/16;1/18;1/20;1/32;1/40;1/50;1/64;1/112;1/256
 Internal micro controller chip, Full bridge driver for hybrid stepmotors. Switch Selectable output current.
 Opto isolated Step pulse input (Clock input +5V Level).
 Opto Isolated Direction & Enable inputs (+5V Level)
 Terminal strips in/out. Internal cooling Fan.

L: 7-11/16"	W: 3-1/4"	H: 1-3/4"	WT: 3.5
STOCK #	DESC.	1EA	
18727-MS	CW1180 AC Stepmotor Drive	\$189.95	

1.8Deg. STEP MOTOR

MFG: MINEBEA
 P/N: 23KM-K102-P1V
COIL: 3A/1ohm/2.2mH
TYPE: 2 Phase Bi-Polar 4 lead
STEP ANGLE: 1.8 deg
 8mm dia. X 18mm steel shaft with a pressfit 13/16" dia. 18 tooth, aluminum cog belt gear. Ball bearings, 6pin connector (supplied), 4 corner mounting holes threaded M4.5

L: 2-5/8" (Body)	SQ: 2-3/16"	WT: 1.9
STOCK #	DESC.	TEA
16320-MS	1.8 Minebea Step Motor	\$12.95 \$10.95

2.88V STEP MOTOR

MFG: SHINANO KENSHI
 P/N: STH-56D309
COIL: 2.88VDC/2.4A
TYPE: 2 Phase Uni-Polar 6 lead
STEP ANGLE: 1.8 deg (Motor)
Assembly#: 127K80020
 6.5mm dia. X 22mm steel shaft with a rollpinned 3/4" dia. 22 tooth, plastic cog belt gear. Ball bearings, 5in leads. Removable anti-vibration bracket with mtg. ears. 4 corner mounting holes (motor).

L: 2-1/4" (Body)	SQ: 2-3/16"	WT: 1.5
STOCK #	DESC.	TEA
17504-MS	Shinano 2.88V Step Motor	\$12.95

1.8Deg. STEP MOTOR

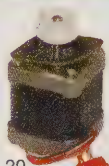
MFG: SANYO DENKI
 P/N: 103G770-1856
COIL: 3.5V/1.5A/2.4ohm/2.9mH
TYPE: 2 Phase Bi-Polar 6 lead
STEP ANGLE: 1.8 deg
 6.5mm dia. X 18mm steel shaft with a pressfit 3/4" dia. 25 tooth, plastic cog belt gear. Ball bearings, 5in leads. Removable anti-vibration bracket with mtg. ears. 4 corner mounting holes (motor).

L: 2-1/8" (Body)	SQ: 2-3/16"	WT: 1.3
STOCK #	DESC.	TEA
16321-MS	1.8 Sanyo Step Motor	\$9.95 \$8.95

3V 1.8DEG. STEP MOTOR

MFG: SHINANO KENSHI
P/N: STP42D4009
NEMA: 17

COIL: 3V/1.6 ohm
TYPE: 2 Phase Uni-Polar 6 lead
STEP ANGLE: 1.8 deg 120step/rev
5mm dia. X 24mm steel shaft with metal 20 tooth X 11/16" dia. gear & 22 tooth X 9/16" dia. cog belt pulley. 4 corner m3x0.5 mounting holes. 5" leads.
L: 1-5/8" (Body) SQ: 1-9/16" WT: .64



STOCK #	DESC.	1EA
16231-MS	1.8Deg. Step Motor	\$7.95

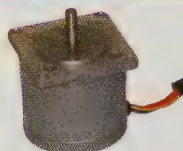
1.8 DEG. STEP MOTOR

MFG: SANYO DENKI

P/N: 103-771-18
COIL: 24V/.18A

TYPE: Uni-Polar 5 lead
STEP ANGLE: 1.8 deg

Specifications/Features: Used motor with a 1/4" dia. X 3/4" steel shaft. 50oz/in Holding torque, 30oz/in. running depending on drive. 4 corner mounting holes. 7" L: 2" (Body) W: 2-3/16"sq WT: 1.2



STOCK #	DESC.	1EA	10+EA
15837-MS	24VDC Step Motor	\$8.95	\$7.95

1.8 DEG. STEP MOTOR

MFG: ASTROSYN
P/N: 23LM-C712-P4
NEMA: 23

COIL: 1.4ohm/2.3mH
TYPE: Bi-Polar 4 lead

STEP ANGLE: 1.8 deg

Specifications/Features: Custom motor with a 1/4" dia. X 9/16" steel shaft with a pressfit 15/32" dia. 13 tooth, sintered steel cog belt pulley. 4 corner mounting holes. 13" leads.



STOCK #	DESC.	1EA
18956-MS	Astrosyn Step Motor	\$12.95

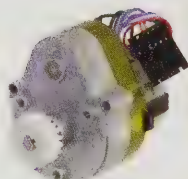
GEARHEAD STEP MOTOR

MFG: CROUZET
P/N: 82919004

COIL: 56VDC/648ohm/5W

TYPE: 2 Phase Uni-Polar 4 lead

7.5 Degree stepmotor driving a 1440/1 gearhead, 6mm dia. X 10mm flatted steel shaft. Removable 7/8" dia, 20 tooth plastic gear. 3 M3 mounting holes. 4" leads.
L: 2-9/16" (Body) W: 2-1/8" H: 2-1/2" WT: .5



STOCK #	DESC.	1EA
18891-MS	Crouzet Gearhead Stepmotor	\$17.95

3V/ 1.8Deg. STEP MOTOR

MFG: SHINANO KENSHI

P/N: STP-58D4002-03

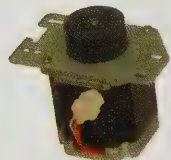
COIL: 3VDC/.42ohms

TYPE: 2 Phase Bi-Polar 4 lead

STEP ANGLE: 1.8 deg

7mm dia. X 18mm steel shaft with a pressfit 1-1/2" dia. 36 tooth, sintered steel cog belt gear. Ball bearings, 3" leads, 4 corner mounting holes threaded M4.5, Removable steel mtg. bracket

L: 2-5/8" (Body) SQ: 2-3/16" WT: 2.2



STOCK #	DESC.	1EA	10+EA
17153-MS	3V SKC Step Motor	\$14.95	\$12.95

1.8 Deg. STEP MOTOR

MFG: SHINANO KENSHI

P/N: STP-42D0003

NEMA: 17

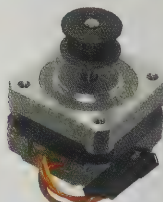
COIL: 3.8ohm/4.8mH

TYPE: 2 Phase Uni-Polar 4 lead

STEP ANGLE: 1.8 deg

Custom motor with a 5mm dia. X 7/8" steel shaft with a 13/16" dia., 25 tooth, press fit metal cog belt gear. Ball bearings, 3" leads and four M3-.5 mm corner mounting holes.

L: 1-3/16" (Body) SQ: 1-5/8" WT: .4



STOCK #	DESC.	1EA
18958-MS	Shinano NEMA17 Step Motor	\$8.95

24V 15DEG. STEPMOTOR

MFG: SLO-SYN

P/N: SM-024-0065-RX

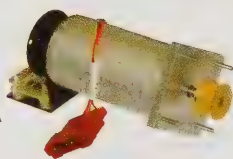
COIL: 24V/9-11ohms/2.4A

TYPE: Uni-Polar 5 lead

STEP ANGLE: 15 deg

Used motor with a 1/4" dia. X 1-3/16" steel front shaft with a removable plastic COG Belt pulley. 1/4" dia. X 3/4" rear shaft with a Photo interrupter/Tach assembly.

W: 5-1/2" D: 5-3/4" H: 3-1/2" WT: 3.5



STOCK #	DESC.	1EA
17758-MS	Slo-Syn Step Motor	\$9.95

1.8DEG. STEP MOTOR

MFG: SANYO DENKI

P/N: 103H7121-0415

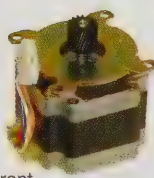
COIL: 2A/1.25 ohm/1.9mH

TYPE: 2 Phase Uni-Polar 6 lead

STEP ANGLE: 1.8 deg 120step/rev

6mm dia. X2 4mm serrated steel front shaft with plastic 16 tooth X 1/2" dia. worm gear (removable). 6mm X 10mm smooth back shaft. removable 3/8" thick steel/rubber shock mounting plate with 4 corner mounting holes. 3" leads.

L: 2" (Body) SQ: 2-3/16" WT: 1.2



STOCK #	DESC.	1EA
16817-MS	1.8 Deg. Sanyo Motor	\$6.95

3V/1.8 Deg.STEP MOTOR

MFG: JAPAN SERVO

P/N: KH56KM2R003

NEMA: 23

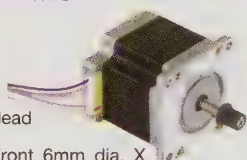
COIL: 3VDC/.75ohms

TYPE: 2 Phase Bi-Polar 6 lead

STEP ANGLE: 1.8 deg

Custom motor with a Front 6mm dia. X 27mm steel shaft with a pressfit 9mm dia. 16 tooth, sintered steel cog belt gear. Stepped Rear shaft 17mm long with a flatted shaft end section is .25" long X .195" dia, 2nd step is .25" long X .238" dia. Ball bearings, 10" leads, 4 corner mounting holes.

L: 2-1/8" (Body) SQ: 2-3/16" WT: 1.5



STOCK #	DESC.	1EA
18854-MS	3V Japan Servo Motor	\$14.95

24V/3.6 DEG. STEPMOTOR

MFG: HOWARD

P/N: 1-19-4201

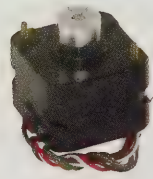
COIL: 24V/.16A/140ohm/68mH

TYPE: 2 Phase Bi-Polar 5 lead

STEP ANGLE: 3.6 deg

600gm/cm holding torque, 3/16" dia. X 7/16" shaft with a smooth 11/16" dia. aluminum hub. 2 corner mounting studs. 7" leads.

L: 1-1/2" (Body) W: 1-5/8"sq WT: .6



STOCK #	DESC.	1EA
4318-MS	3.6deg. 24V Stepmotor	\$4.95

1.8 Deg. STEP MOTOR

MFG: SHINANO KENSHI

P/N: STP58D-1007-01

NEMA: 23

COIL: .6ohms/1.3uH

TYPE: 2 Phase Uni-Polar 4 lead

STEP ANGLE: 1.8 deg

Custom motor with a flatted 7mm dia. X 3/4" steel shaft with a 9/16" dia., 18 tooth, press fit metal cog belt gear. Ball bearings, 3" leads, 4 corner mounting holes.

L: 1-5/8" (Body) SQ: 2-3/16" WT: 1.1



STOCK #	DESC.	1EA
18866-MS	Shinano NEMA 23 Step Motor	\$9.95

3.84V STEPMOTOR

MFG: SHINANO KENSHI

P/N: STP-57D211

COIL: 3.84VDC/4.7 ohms/.8A

TYPE: 2 Phase Uni-Polar 5 lead

STEP ANGLE: 1.8 deg (Motor)

6.5mm dia. X 18mm steel shaft with a 3/4" dia., 16 tooth, plastic cog belt gear attached by a steel roll pin. Ball bearings, 3" leads, 4 corner mounting holes, Removable anti vibration rubber/steel mtg. bracket. 4" leads.

L: 2" Body SQ: 2-3/16" WT: 1.5



STOCK #	DESC.	1EA
17607-MS	3.84VDC Stepmotor	\$9.95

1.8 Deg.STEP MOTOR

MFG: MINEBEA

P/N: 23LM-K202-33V

NEMA: 23

COIL: 6VDC/3.5ohms/1.3A

TYPE: 2 Phase Bi-Polar 4 lead

STEP ANGLE: 1.8 deg

Custom motor with a flatted .25" dia. X 3/4" steel shaft with a 7/8" dia., 28 tooth, plastic cog belt gear attached by a set screw. Ball bearings, 6" leads, 4 corner mounting holes, removable steel mtg. bracket with shock mounts.

L: 1-5/8" (Body) SQ: 2-3/16" WT: 1.1



STOCK #	DESC.	1EA
18857-MS	6V Minebea Step Motor	\$9.95

24V/3.6 DEG. STEPMOTOR

MFG: HOWARD

P/N: 1-19-4201

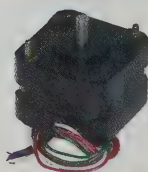
COIL: 24V/.16A/140ohm/68mH

TYPE: 2 Phase Bi-Polar 5 lead

STEP ANGLE: 3.6 deg

600gm/cm holding torque, 3/16" dia. X 7/16" shaft. 2 corner mounting studs. 7" leads.

L: 1-1/2" (Body) W: 1-5/8"sq WT: .52



STOCK #	DESC.	1EA
18885-MS	3.6deg. 24V Stepmotor	\$6.95

MOTOR/GEAR ASSEMBLY

MFG: SHINANO KENSHI

P/N: STP-57D505

COIL: 5.3VDC/1A

TYPE: 2 Phase Uni-Polar 5 lead

STEP ANGLE: 1.8 deg (Motor)

Assembly#: 127K18074

Step motor & gear assembly for copy machine. Motor has 7mm steel shaft with a pressed on aluminum spur gear. Removable gear unit contains 5 various plastic gears, 2 have mechanical unidirectional clutch. 5in.

Motor: L: 3" Sq: 2-1/4" WT: 2.3

Assembly: L: 4-3/4" W: 5-1/4" H: 2-7/8" WT: 2.9

STOCK #	DESC.	TEA
17461-MS	Stepmotor Assembly	\$14.95

6V/ 1.8Deg. STEP MOTOR/ GEARS

MFG: SHINANO KENSHI

P/N: STP-42D217

COIL: 6VDC/.76A/7.9ohms

TYPE: 2 Phase Bipolar, 6 lead

STEP ANGLE: 1.8 deg

5mm (Dia.) X 20mm (3/4") steel shaft with pinned plastic 21 tooth .75" id. COG belt pulley. Pulley/belt drives 1", 28 tooth pully/1.25", 30 tooth spur gear/and another .57" COG Belt pully assembly on a 6mm jack shaft. Removable rubber vibration bracket, Four corner mounting holes, 4" leads. Steel frame 3-1/8" X 3-1/8" X 1-3/16" includes 1.4" Dia, 34 tooth plastic spur gear with a 5mm bore.

L: 1-9/16" (Body) SQ: 1-5/8" WT: 1

STOCK #	DESC.	TEA
18305-MS	1.8Deg. Stepmotor/Gears	\$9.95

3V STEP MOTOR

MFG: SHINANO KENSHI

P/N: STP-58D4001

COIL: 3VDC/.42ohms

TYPE: 2 Phase Bi-Polar 4 lead

STEP ANGLE: 1.8 deg

7mm dia. X 18mm steel shaft with a pressfit 7/8" dia. 19 tooth, sintered steel cog belt gear. Ball bearings, 3" leads, 4 corner mounting holes.

L: 2-5/8" (Body) SQ: 2-3/16" WT: 2.0

STOCK #	DESC.	TEA
18590-MS	3V NEMA 23 Step Motor	\$9.95

1.8 Deg. STEP MOTOR

MFG: JAPAN SERVO

P/N: KH42JM2-070

NEMA: 17

COIL: 3.4V/3.2ohms/2.5uH

TYPE: 2 Phase Bi-Polar 6 lead

STEP ANGLE: 1.8 deg

Custom motor with a flatted 5mm dia. X 7/8" steel shaft with a 7/8" dia., 36 tooth, Removable plastic cog belt gear. Ball bearings, 7" leads, 4 M3-0.5mm threaded corner mounting holes. Removable vibration pad & steel bracket

L: 1-9/16" (Body) SQ: 1-5/8" WT: .7

STOCK #	DESC.	TEA
18867-MS	Japan Servo Step Motor	\$7.95

VIBRATION ISOLATOR

Rubber shock mount/isolator with M6-1 X 12mm (7/16") long threaded stud on both ends. 2 Nuts Included.

Dia: 5/8" L: 5/8" Body 1-1/2" O/A

STOCK #	DESC.	TEA
19076-HD	Vibration Isolator	\$1.49

6.5V/1.8 Deg. STEP MOTOR

MFG: SHINANO KENSHI

P/N: STH-54D500-03Y

NEMA: 23

COIL: 6.5VDC/5.1ohms/1.3A

TYPE: 2 Phase Bi-Polar 5 lead

STEP ANGLE: 1.8 deg

Custom motor with a flatted 7.1mm dia. X 15mm steel shaft with a 1-5/8 dia., 30 tooth, plastic cog belt gear attached by a steel roll pin. 1-1/2" dia. X 5/16" rubber pad attached to shaft behind pully. Ball bearings, 6" leads, 4 corner mounting holes.

L: 3" (Body) SQ: 2-3/16" WT: 2.2

STOCK #	DESC.	TEA
18855-MS	6.5V Kenshi Step Motor	\$12.95

12V GEARHEAD STEPMOTOR

MFG: NMB-MAT

P/N: PG35L-048

COIL: 12VDC/700ohms/5.3mH/

2.3A

TYPE: 2 Phase Bi-Polar 4 lead

STEP ANGLE: .2118 deg

Gearhead step motor, 5mm X 8mm steel shaft with a 22.3mm dia, 26tooth aluminum gear. 2 mtg. holes. 12" leads. Mtg. holes on 1-5/16" ctrs.

L: 2" Body WT: .25

STOCK #	DESC.	TEA
18840-MS	12VGearhead Step Motor	\$9.95

7.5 DEG. STEP MOTOR

MFG: AIRPAX

P/N: M82201-P2SB

COIL: 12VDC/64ohm

TYPE: 2 Phase Uni-Polar 6 lead

7.5 Degree stepmotor with Bronze Bearings, 2mm dia. X 10mm steel shaft, 2 mounting holes. Holding Torq: 3.9 oz/in 7" leads. Mtg. Ctrs.: 1.65"

Dia: 1.97" (Body) D: 7/8 WT: .18

STOCK #	DESC.	TEA
18501-MS	Airpax 7.5 deg. 12V Motor	\$6.95

24V 7.5 DEG. STEP MOTOR

MFG: NPM

P/N: PFC55-48B1

COIL: 24V/14ohm

TYPE: 2 Phase Uni-Polar 6 lead

7.5 Degree step angle. 2.2mm dia. X 15mm steel shaft with a 8 tooth 1/4" dia. X .187" long brass spur gear. 2 mounting holes. 10" leads. Includes a matching pitch steel 32 tooth gear for a 7/32" shaft

Dia: 55mm (Body) 76.2 O/A D: 25mm (1") WT: .62

STOCK #	DESC.	TEA
18086-MS	24V Nippon Step Motor	\$4.95

24V 7.5 DEG. STEP MOTOR

MFG: NMB

P/N: PM55L-048

COIL: 24V/30 Ohm

TYPE: 2 Phase Uni-Polar 5 lead

7.5 Degree step angle. 500PPS, Max rate. 4mm dia. X 10mm steel shaft with 11 tooth, 14mm dia X 7mm, brass gear. 2 mounting ears. 2" leads.

W: 3" (Max Body) T: 1" WT: .55

STOCK #	DESC.	TEA
18368-MS	24V NMB PM55 Step Motor	\$3.95

7.5 DEG. STEP MOTOR

MFG: AIRPAX

P/N: LB82715-M1

COIL: 12VDC/32ohm

TYPE: 2 Phase Uni-Polar 6 lead

7.5 Degree stepmotor with Bronze Bearings, 1/4" dia. X 5/8" steel shaft, 2 mounting holes. Holding Torq: 15 oz/in 14" leads. Mtg. Ctrs.: 2-5/8"

Dia: 2-1/4" (Body) D: 1-5/8 WT: 1

STOCK #	DESC.	TEA
18304-MS	Airpax 7.5 deg. Step Motor	\$3.95

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24V 7.5 DEG. STEP MOTOR

MFG: NMB

P/N: PM35S-048

COIL: 24V/50 Ohm

TYPE: 2 Phase Uni-Polar 6 lead

7.5 Degree step angle. 800PPS, Max rate. 3mm dia. X 10mm steel shaft. 2 mounting ears. 7" leads.

Dia: 2" (Max Body) T: 5/8" WT: .15

STOCK #	DESC.	TEA
18349-MS	24V NMB Step Motor	\$3.95

24V LINEAR STEP MOTOR

MFG: EASTERN AIR DEVICES

P/N: LB11ABM-4R

COIL: 24VDC/.96A/725ohms

TYPE: 4 Phase Uni-Polar 5 lead

STEP ANGLE: 15 deg (motor)

Removed from equipment linear step motor. 1/8" dia. X 3/8" rear shaft. 4-56UNS-3A threaded X 1-5/8" long steel front shaft, 4 mounting holes threaded 4-40. 12" leads.

L: 1-7/8" Body Dia: 1-1/16" WT: .3

STOCK #	DESC.	TEA
16385-MS	EAD Linear Stepmotor	\$4.95

5V DC STEP MOTOR WITH LEADSCREW

MFG: HSI

P/N: 20841-05-028

TYPE: 2 Phase Bi-Polar 4 lead

COIL: 5VDC/18ohms/5.5mH/.27A

LINEAR STEP: .001

Linear actuator/step motor with rotating, 9/64" (.140") Dia. X 2-5/8" steel shaft. 1-1/4" max travel. 1-3/64" (.1031") mounting ctrs. 20" leads. Shaft end thread: 2-56 UNC 2A X .15" long

L: 3-1/2" O/A W: 1-5/16" O/A WT: .06

STOCK #	DESC.	TEA
17284-MS	HSI 5V Linear Actuator	\$9.95

12V STEP MOTOR/ LINEAR ACTUATOR

MFG: SONCEBOZ

P/N: 7210

TYPE: 2 Phase Uni-Polar 6 lead

COIL: 12VDC/84ohms

LINEAR STEP: .002

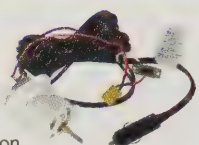
Linear actuator/step motor with non-rotating, 9/64" (.140") Dia. X 5/16" steel shaft. 1/2" max travel. 21oz force. 6" leads. Not sure how these mount as there is no hardware.

L: 2" retracted Dia: 1 WT: .1

STOCK #	DESC.	TEA
18313-MS	12V Linear Actuator	\$9.95

12V MOTOR ASSEMBLY

12V Motor assembly containing a HTI Series 42 Sleeve Bearing Motor in plastic housing, 16ft. SPT-2 16AWG cord with Lighter Plug, Momentary action slide switch and a current limiter. 14400+RPM @ 12V/ 1.1A No Load. Stall Current in excess of 20A. Motor Body: L: 3" X Dia: 1-5/8", 1-1/2in. X 3/16in dia. Steel shaft
WT: 1.5



STOCK #	DESC.	1EA
18770-MD	12VMotor/Cigarette Plug	\$9.95

RECIPROCATING MOTOR ASSEMB.

Removed from new equipment. Motor assembly with a Buehler 1.61.046.520.01 Gearhead motor driving a reciprocating 4-7/8" removable plastic arm. 7/8" Stroke. 115 Strokes/Min @ 6V/ 230 @ 12V/460 @ 24V. 12 Slot Photo sensor on rear motor shaft, 2 Slot Photo sensor on Cam plate. Removable steel base plate
L: 9-3/8" O/A W: 6" O/A WT: 2



STOCK #	DESC.	1EA
17264-MD	Reciprocating Motor Asmb.	\$19.95

12VDC ACME GEAR MOTOR

P/N: 5503740 D
COIL: 12VDC
90Deg. Angled gearhead DC motor rated: 88/178/380RPM @ 6/12/24VDC, 1.5A No Load /17A Stall @ 12V. .187 male quick connect terminals 4-1/8" long 7/16"-8 Modified class 4G single thread Leadscrew with the custom traveler nut.
L: 5-1/2" (OA) H: 2-1/4" (OA) H: 6" WT: 1.8



STOCK #	DESC.	1EA
19007-MD	12VDC Acme Motor & Nut	\$14.95

12V MOTOR/ LEADSCREW

Removed from new equipment. Buehler 1.61.046.53 Gearhead motor driving a 4 3/8" X 1.50"-9 Start Right Hand, Fast thread stainless steel lead screw. 3.0" Max travel, 1.5"/ Rev. Plastic anti-backlash nut with removable steel bracket. 50 Slot Photo Tach. (5V powered) on rear motor shaft. 3 front mtg. holes threaded M3-.50
Approx. 105RPM/6V/125mA No Load/1.3A Stall 207RPM/12V/140mA No Load/3.2A Stall
L: 9-1/4" WT: .72



STOCK #	DESC.	1EA
18758-MS	12VMotor/Leadscrew	\$19.95

13.6 VDC MOTOR

Johnson 13.6VDC motor with Bronze sleeve bearings. Used in tools & appliances etc. 6290+RPM, .32A, no load, @ 13.6V. MaxTorque: 6.15oz/in @ 13.6V/3.6A. 1/8" [Dia.] X 5/8" serrated steel shaft. Solder terminals.
L: 2-3/8" (Body) Dia: 1-1/2" WT: .37



STOCK #	DESC.	1EA
17942-MD	13.6VDC Johnson Motor	\$3.95

12 VDC MOTOR

MABUCHI 12VDC motor with Bronze sleeve bearings. Used in tools & appliances etc. 3300+RPM/.04A, no load/.7A Stall @ 12V. 2.3mm Dia. X 14mm steel shaft. Two M2.6X0.45 tapped Front mounting holes. Solder terminals.
L: 2-3/4" (Body) Dia: 1-1/16" WT: .16



STOCK #	DESC.	1EA
17946-MD	12VDC Mabuchi Motor	\$1.95

ELECTRONIC SPEED CONTROL

INPUT: 120VAC 60HZ
OUTPUT: 0-120VAC 15A max
Doubleinsulated, and fused. Speed control for brush type AC tools & motors. 3 position switch for OFF, FULL, VARIABLE. 6ft. 16-3 power cord, std. 3 prong AC output socket. Not Weatherproof.
L: 5-1/2" W: 1-3/4" H: 2-1/2" WT: .72



STOCK #	DESC.	1EA
18327-TL	Motor Speed Control	\$24.95

DC MOTOR & SPEED CONTROL

MFG: BUEHLER (motor)
P/N: 13.65.054.08
Voltage: 24VDC
Current: .07NL/.9A Stall
Board: 3-1/2" X 1-3/8". 18-24VDC
Power with 5V input to control direction. 1250-1650 speed range.
Motor: L: 2-1/4" Dia: 1-1/4" with 2.5mm dia. X 16mm steel shaft with a press fit 1/2" dia. 3 start plastic worm gear. Bronze bearings, 8" motor leads, 13" board leads. 2 mounting holes on motor.
WT: .4



STOCK #	DESC.	1EA
18591-MD	Motor with Speed Control	\$7.95

LEAD SCREW MOTOR ASSEMB.

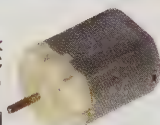
Removed from new equipment. Steel baseplate with a Buehler 1.61.046.531.00 Gearhead motor driving a 4-3/8" long 3/8" X 1.50"-9 Start, Right Hand, Fast thread stainless steel lead screw. 3.0" Max travel, 1.5"/Rev. Plastic anti-backlash nut with removable steel bracket. Approx. 105RPM/6VDC/125mA No Load/1.3A Stall, 50 Slot Photo Tach. (5V powered) on rear motor shaft
L: 9-3/8" O/A W: 6" O/A WT: 2.3



STOCK #	DESC.	1EA
17265-MD	Lead Screw Motor Assembly	\$24.95

12VDC MINI MOTOR

Mabuchi FC-280PT-20150 DC mot with carbon brushes. Rated 8-16VDC 12V nominal. 11800 RPM, 81mA no load/3.9A Stall @ 12V, Torque @ Stall 335g/cm. 2mm dia. X 10mm serrated shaft. Insertion/Compression terminals
L: 1-3/8" (Body) Dia: 1" WT: .09



STOCK #	DESC.	1EA
18298-MD	12VDC Mabuchi Motor	\$0.99

12/24VDC MOTOR

MFG: BUEHLER
P/N: 1.13.043.223.12
COIL: 12V
Rated: 1100 RPM @ 12VDC NL, 2140 RPM @ 24VDC. 4mm dia. X 20mm steel front shaft with pressfit 14mm dia. X 13mm 16 tooth brass gear. 3 M3 threaded mounting holes in front. 3" leads.
L: 3-1/8" (Body) DIA: 1-9/16" WT: 1



STOCK #	DESC.	1EA
16717-MD	12/24VDC Buehler Motor	\$12.95

12V 110RPM MOTOR

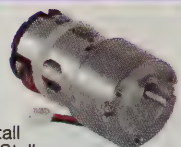
MFG: COPAL
P/N: LC37G-183
COIL: 12VDC
Removed from New Equipment. Gearhead DC motor rated 110RPM @ 12V/ 220RPM @ 24V. 6mm dia. X 27mm flattened steel shaft with metal gears. 3 corner mounting holes. 5" leads. 1-7/8" X 1-5/8" mtg. flange.
L: 2" (Body) Dia: 1-15/16" (Body) WT: .4



STOCK #	DESC.	1EA	10EA
15530-MD	12VDC 120 RPM Motor	\$16.95	\$14.95

12V GEARMOTOR

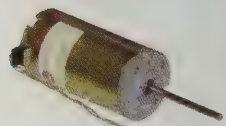
COIL: 12VDC
Gearhead DC motor rated: 6V= 65RPM/.1A no load/.5A Stall 12V=140RPM/.12A no load/1A Stall 15V=178RPM/.13A no load/1.2A Stall 5mm dia. X 10mm flattened steel shaft. 3 metric (M3) threaded mounting holes. 2" leads.
L: 2-7/16" (Body) Dia: 1-1/4" WT: .24



STOCK #	DESC.	1EA
18746-MD	12VDC Gearhead Motor	\$12.95

12/24VDC MOTOR

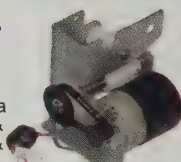
MFG: BUEHLER
P/N: 1.13.043.242.03
COIL: 12V/3.5ohms
USED DC motor Rated: 2300 RPM @ 12VDC NL, 4700 RPM @ 24VDC. 4mm dia. X 49mm steel front shaft. Front ball bearing, rear sleeve bearing. 3M3 threaded mounting holes in front. 3" leads.
L: 3-1/8" (Body) DIA: 1-9/16" WT: .92



STOCK #	DESC.	1EA
17295-MD	12VDC Long Shaft Motor	\$9.95

24V MOTOR & BELT DRIVE ASSEMB.

USED, Motor assembly with a 24VDC motor driving a COG belt & pulley that in turn drives Worm & gear assembly.
Approx. RPM @ 24VDC NL: Motor: 3380, Worm gear: 1650, Spur gear: 116.
Plastic gears/steel shafts, Bronze shaft & motor bearings. PC board on motor terminals with noise filters. Steel frame, 5in. wire leads with ferrite filter. Included is Spur gear without a shaft that matches output spur gear.
Motor COG Belt Pulley: 478". Jack Shaft COG Belt Pulley: .975" Jack Shaft: .309". Output Spur Gear: .608" loose Spur Gear: 1.527" O/D/.320" I/D
L: 3-1/2" O/A W: 3-1/2" O/A H: 3-1/2" O/A WT: 1.1



STOCK #	DESC.	1EA	10EA
17294-MD	Belt Drive 24V Motor	\$9.95	\$8.95

13V 700 RPM MOTOR

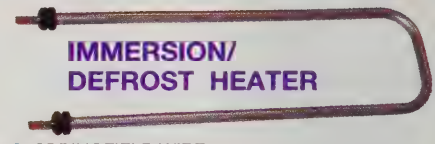
MFG: BUEHLER
P/N: 1.61.046.178.01
COIL: 13VDC
Gearhead DC motor rated 700RPM/.13A @ 13V No load, 3.3A @ 13V Stall, 500RPM @ 13V with 6oz/in torque load. 5mm dia. X 11mm flattened steel shaft. 3 metric (M3) threaded mounting holes in front plate. 36" leads.
L: 2-1/2" (Body) Dia: 1-3/8" WT: .4



STOCK #	DESC.	1EA
16392-MD	13V 700RPM Buehler Motor	\$9.95

IMMERSION/ DEFROST HEATER

MFG: SPRINGFIELD WIRE
P/N: CUSTOM
POWER: 120VAC/140W
Specifications/Features:
Heater element for heating oil/water and other non-flammables & used in icemakers to free up the cubes. "U" shaped with 8" depth and 2-5/8" base. overall length in approx. 18". .187" quick connect terminals, 1/4" Dia. 316 stainless jacket, rubber sealing grommets at terminals. Requires external temperature control.
H: 9" W: 2-3/4" T: 7/16" WT: .1



STOCK #	DESC.	1EA	10EA
18259-MI	Stainless Heater	\$5.95	\$4.95

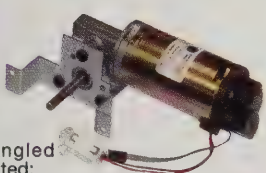
12V @ 58RPM GEARHEAD MOTOR



MFG: SAYAMA
P/N: 12SM-AT3
COIL: 12VDC
Micro Gearhead DC motor rated:
30RPM @ 6V, 9mA NL
62RPM @ 12V, 20mA NL
58RPM @ 12V, 45mA @ .25kg/cm rated torque
2mm dia. X 5.4mm flattened steel shaft with pin hole. metric
(M5.5 P=0.5) threaded mounting holes. Solder terminals.
L: 1-3/8" (Body) **DIA:** 15/32" **WT:** .3

STOCK #	DESC.	1EA
17269-MD	12V Micro Gearhead Motor	\$12.95

21RPM 12VDC MOTOR/TACH



MFG: BUEHLER
P/N: 1.61.031.119.00
COIL: 12VDC/
USED, 90Deg. Angled
gearhead DC motor rated:
10/21/42RPM @ 6/12/24VDC, 300mA No Load/4.5A
Stall @ 12V. Has 5VDC, TTL Compatible, 50Pulse/RPM
Tach. mounted on rear. 8mm dia. X 50mm removable/
reversible steel shaft held in place by a collet. Remov-
able sheet metal mtg. bracket. 5" Tach leads, 8" motor
leads.
L: 8-1/2" (OA) **W:** 4-1/4" **H:** 3" **WT:** 2.9

STOCK #	DESC.	1EA
17249-MD	12V 21 RPM Motor/Encoder	\$36.95

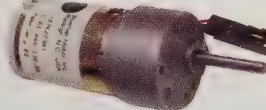
THOUSANDS
more items on www.mpja.com

24 VDC GEARMOTOR

MFG: MOLON
P/N: CHM-2435-1
Voltage: 24VDC
RPM: 45
Reversible DC gearhead motor with 5/
16" dia X 5/8" long steel shaft. Mounted
on shaft is 4-7/8" dia. plastic wheel with
"O" ring in wheel rim for use as friction drive.
45RPM/50mA @24VDC No Load; 1A/7.5in-lb torque @
Stall. 7in. leads.
L: 2-1/2" (Body) **W:** 2-3/4" **H:** 3" **WT:** .9

STOCK #	DESC.	1EA	10+EA
17971-MD	24VDC Gear Motor	\$9.95	\$8.95

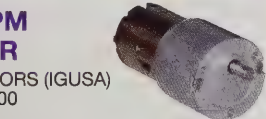
135RPM 24V GEARMOTOR



MFG: BUHLER
P/N: 1.61.046.132.00
COIL: 24V
Gearhead DC motor rated :
12V: 68RPM/30mA No Load/190mA Stall
24V: 135RPM/35mA No Load/420mA Stall
5mm dia. X 26mm flattened stainless steel shaft. 3 metric
(M3) threaded mounting holes. 3" leads.
L: 2-3/4" (Body) **DIA:** 1-3/8" **WT:** .4

STOCK #	DESC.	1EA	10+EA
15585-MD	24VDC/138RPM Motor	\$24.95	\$19.95

12VDC/6.8RPM GEAR MOTOR



MFG: IGARASHI MOTORS (IGUSA)
P/N: Custom 2732-0300
COIL: 12V
Gear motor rated: 6.8 RPM @ 12VDC, 5mm (3/16") dia. X
10mm (3/8"), flattened steel shaft, bronze bearings. Three
M3-.5 threaded mounting holes in front. Solder terminals
L: 2-11/16" (Body) **DIA:** 1-1/4" **WT:** .25

STOCK #	DESC.	1EA	10+EA
15870-MD	12V 6.8RPM Motor	\$12.95	\$9.95

19V/82 RPM GEARHEAD MOTOR



MFG: PITTMAN
P/N: GM8712F191
COIL: 19.1VDC/12ohm
USED, Gearhead DC motor rated:
82RPM @ 19.1V, .08A NL, 1.5A Stall
51RPM @ 12V, .07A NL, 1A Stall
.187" dia. X .625" steel shaft with a clamp-on 30 tooth
steel gear. Removable mtg. plate. Three 4-40 threaded
mounting holes. 4" leads.
L: 2-3/4" (Body) **DIA:** 1-3/8" **WT:** .4

STOCK #	DESC.	1EA
18609-MD	82 RPM/19V Motor	\$12.95

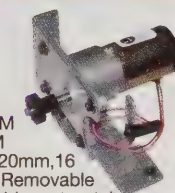
12V 360 RPM MOTOR



MFG: BUEHLER
P/N: 1.61.046.112.00
COIL: 12-24VDC
Gearhead DC motor rated 700RPM
@ 24V/360RPM @ 12V with 6oz/in torque
load. 5mm dia. X 10mm flattened steel shaft. 3
metric (M3) threaded mounting holes. 3" leads.
L: 3-1/2" (Body) **DIA:** 1-3/8" **WT:** .56

STOCK #	DESC.	1EA
16815-MD	12V-24VDC Gear Motor	\$9.95

12V 40 RPM MOTOR



MFG: BUEHLER
P/N: 1.61.046.116.00
COIL: 12-24VDC
Gearhead DC motor rated:
24V/.064mA NL/1.55A Stall/81RPM
12V/.058mA NL/45A Stall/40RPM
5mm dia. X 30mm steel shaft with a 20mm, 16
tooth, plastic gear held by a roll pin. Removable
heavy steel bracket & a non-removable cast metal
secondary bracket with four 6-32 threaded mounting
holes. 3" leads.
L: 3-1/2" (Body) **DIA:** 1-3/8" **WT:** .56

STOCK #	DESC.	1EA
16816-MD	12V/40RPM Gear Motor	\$14.95

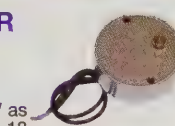
DUAL TOY MOTORS



Pair of 3-6VDC motors
Mounted in plastic hous-
ings with 2-1/2" dia. X 3/
4" foam rubber wheels. Appears
to use 2 or more "C" or "D" cells. Wiring harness has 2
Battery contacts and a 3 position switch. In one position a
diode is connected in series with the motors to reduce the
voltage. Motors & housings are almost identical with the
exception of one motor has a small belt drive hub.
Each: **L:** 3-3/8" **W:** 3-1/4" **H:** 2-3/4" **WT:** .6

STOCK #	DESC.	1EA
18310-MD	Dual Toy DC Motors	\$1.95

1 RPM TIMER MOTOR



MFG: BRISTOL
COIL: 120VAC 60Hz.
DUTY: Cont.
1RPM Timer motot. Output CCW as
viewed from shaft end. .31" dia. 18
tooth brass gear on 3/16" long shaft. 6in. leads.
DIA: 2" **L:** 1-1/2" O/A **WT:** .27

STOCK #	DESC.	1EA
17843-MA	120VAC 1RPM Motor	\$5.95

SINGLE ACTION SPRING LOADED CYLINDER



MFG: Bimba
BORE: 1-1/2"
USED. Single action, Spring loaded extension, pressure
retract. Stainless steel tube, aluminum heads, air cylinder.
200 PSI max pressure. 7/16" Dia. steel rod X 1-3/4"
(extended) with 7/16-20 thread. Front mount 3/4"-16
threaded. 12 lbs to compress spring. Sorry, No Mtg. Nuts
L: 4-3/4" Body **DIA:** 1-5/8" **WT:** .8

STOCK #	DESC.	1EA	5+EA
8849-HD	Pneumatic Cylinder	\$4.95	\$3.95

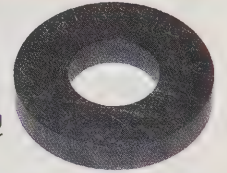
RUBBERIZED MINI MAGNETS



Very small rubberized magnet possibly used with hall
effect sensors as position sensing. These magnets are
only 20mm long X 2mm wide with an adhesive backing.
You receive a strip of 100pcs for one low price.

STOCK #	DESC.	1PK	50PK+
14582-MG	100 Rubber Magnets	\$1.00	\$0.50

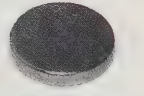
2-3/4" DIA. RING MAGNET



Strong uncoated ferrite ring
magnet with 1-1/4" dia. center
hole.

STOCK #	DESC.	1EA	10+EA
15262-MG	Ferrite Donut Magnet	\$1.95	\$1.75

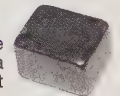
RARE EARTH DISC MAGNET



Disc shaped, nickel plated, strong, rare
earth magnet.

STOCK #	DESC.	1EA	10+EA
18097-MG	3/8" Disc Magnet	\$0.39	\$0.25

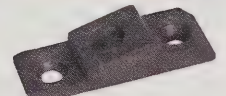
RARE EARTH MAGNET



Removed from new equipment. Strong rare
earth (Neodymium) magnets. Roughly a
irregular cube. All have a nickel plating that
maybe chipped.

STOCK #	DESC.	1EA	5+EA
14581-MG	Mini R/E Magnet	\$1.95	\$1.49

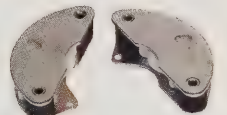
RUBBERIZED MAGNET



Rubberized magnet used as part of a cabinet latch.
Counter sunk screw holes at each end with a slanted
center section with a 1/4" dia. hole for latch pin. Magnet
is 1-1/2" X 1/2" wide X 11/32" thick (max).

STOCK #	DESC.	1EA	5+EA
11443-MG	RubberMagnet	\$0.40	\$0.29

FERRITE POLE MAGNETS



Pair of Ferrite magnet assemblies each containing 2
trapezoidal magnets between 2 steel plates supported
by steel spacers. Each magnet is 1/4" Thick X 5/8" tall X
3/4" wide (max).

STOCK #	DESC.	1EA	5+EA
11628-MG	Dual Magnet Assembly	\$1.95	\$1.49

GIANT THERMOMETER



MFG: WIKA
P/N: T1.50 series
RANGE: -20 to +120°F (2deg. Subd.)
Material: 304 Stainless
Features: 5in. Dia. Bi-metalic tank thermometer with
12in. Stem & 1/2" NPT fitting. 1% accuracy.
L: 13" **WT:** 1.12

STOCK #	DESC.	1EA
18528-MI	Giant Thermometer	\$19.95

0-60VDC RACK MOUNT SUPPLY

P/N: BTI-150

Input: 110 VAC/60Hz

Output: Three switch selectable Ranges:

0-15VDC/0-10A

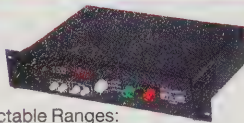
0-30VDC/0-5A

0-60VDC/0-2.5A

Specifications/Features: Enclosed switching supply with dual LED displays for output Volts & Amps. Course & Fine controls for Voltage & Current Limit. 1% Line/Load Reg. <1% ripple. Front binding posts & Internal fan. Feet & brackets can be Installed/Removed as needed for Rack Stacking or bench top use

W: 19" H: 3-1/2" (2U) D: 12-1/4" WT: 12

STOCK #	DESC.	1EA
18650-PS	0-60V Adj. Rack Supply	\$189.95



TRIPLE OUTPUT BENCH SUPPLY

MFG: MPJA Inc.

Input: 110 VAC 60Hz

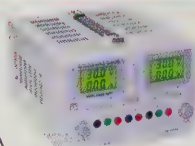
Outputs: #1: 0-30VDC @ 0-5A

#2: 0-30VDC @ 0-5A #3: 5VDC @ 3A

Specifications/Features: Dual Constant Voltage or Current supply with dual backlit LCD meters. Selectable Series/Parallel operation of Adj. supplies. 10 turn Voltage control, Push button Current control (30ma resolution). <.05% Line/Load regulation (CV). .05% line/load (CC). Front panel output Banana Jacks & Terminal strips.

W: 10-3/4" D: 13" H: 7-1/2" WT: 28.7

STOCK #	DESC.	1EA
9335-PS	Three Output Bench Supply	\$259.00



I/R SMALL SPOT THERMOMETER

Highly advanced, Close focus, non-contact, I/R temperature meter. Featuring bright Class II Dual lasers "Spot-On" aiming for accurate measurements.

Measure the temperature of components, skin and other close surfaces as small as .1in. with pinpoint accuracy

MFG: ZYTEMP

P/N: TN01U

Range: Temp: -55 "C" to +220 "C"
-67 to 428 "F"

Features:

- * Large Multi-function Backlit LCD display
- * Selectable degree F or C readout
- * Digit Temp. readout
- * Min/Max measurements
- * Stopwatch
- * Realtime Clock

Specifications:

Focus: 18mm (.7")

Measurement Spot Size: 2.5mm (.1") @ .7in.

Emissivity: Adj. 0.05-1.00 factory Preset at .95

Accuracy: +-2%/+-2Deg. Whichever is greater

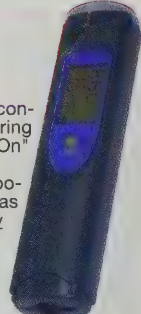
Display Resolution: 0.1 "C" (.1 < 199.9/1>200)

Response Time: 1Sec.

Power: 2 "AAA" Cells (Approx. 18hr. continuous use)

L: 6-3/4" W: 1-1/2" T: 1" WT: .3 Shp. WT: .51

STOCK #	DESC.	1EA
17782-TL	I/R Temperature Meter	\$79.95



0-18VDC @ 3A BENCH SUPPLY

P/N: 9600

Input: 110 VAC 60Hz

Output: 0-18VDC @ 0-3A Constant

Voltage or Current

Specifications/Features: True Constant Current (Can drive a short) Enclosed Linear bench supply with dual LCD displays for output Volts & Amps. .01%+3mV Line / .02%+3mV Load regulation, <1mV RMS ripple. Front binding posts. Metal case & rubber feet. Internal Temp. controlled fan

L: 9-1/2" W: 3-5/8" H: 6" WT: 8.6

STOCK #	DESC.	1EA	5+EA
9600-PS	0-18V/3A Adj. Supply	\$59.95	\$52.95



0-60VDC BENCH SUPPLY

Input: 110 VAC 60Hz

Output: 0-60VDC @ 0-10A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short) Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .05%+3mV Load regulation, <1.5mV RMS ripple. Front binding posts.

L: 11-1/4" W: 10-1/2" H: 6-1/2" WT: 38

STOCK #	DESC.	1EA
9960-PS	0-60V Bench Supply	\$259.00



0-30VDC/5A BENCH SUPPLY

Input: 110 VAC 60Hz

Output: 0-30VDC @ 0-5A

Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short). Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .02%+3mV Load regulation, <1mV RMS ripple. Front binding posts. Internal Temp. controlled fan.

L: 11-1/4" W: 5-3/16" H: 6-1/4" WT: 14

STOCK #	DESC.	1EA	5+EA
9603-PS	0-30V/5A Bench Supply	\$110.00	\$95.00



.5KVA ADJUSTABLE AUTOTRANSFORMER

Input: 110 VAC 50/60Hz

Output: 0-130V @ 500VA (4A)

Specifications/Features: Enclosed, non-isolated, Adjustable transformer Features: Output Volt Meter, lighted Switch, fuse & single 3 blade outlet.

H: 6" W: 4-3/4" D: 6-1/2" WT: 10

STOCK #	DESC.	1EA	6+EA/200
15162-TR	.5KVA Adj. Transformer	\$49.95	\$43.80

360° VIEW @MPJA.COM



MINI 0-30V/3A SUPPLY

P/N: 9615

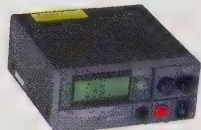
Input: 110 VAC 60Hz

Output: 0-30VDC @ 0-3A Constant Voltage/Current

Specifications/Features: True Constant Current (Can drive a short). Enclosed Switching bench supply with backlit LCD display for output Volts & Amps. .01% +5mV Line / .2%+5mV Load regulation, <200mV RMS max ripple. Front banana jacks. Internal fan. CE/RoHS

L: 6" W: 2-7/8" H: 6-3/4" WT: 3.2

STOCK #	DESC.	1EA
9615-PS	Mini 0-30V/3A Bench Supply	\$59.95



2KVA ADJUSTABLE AUTOTRANSFORMER

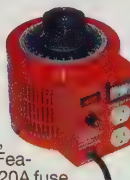
Input: 110 VAC 50/60Hz

Output: 0-130V @ 2KVA (15A)

Specifications/Features: Enclosed, non-isolated, Adjustable transformer Features: Output Volt Meter, lighted Switch, 20A fuse & single 3 blade outlet.

H: 7-1/2" W: 8-3/4" D: 6-7/8" WT: 22

STOCK #	DESC.	1EA	6+EA
15163-TR	2KVA Adj. Transformer	\$104.95	\$93.59



0-30VDC @ 19A BENCH SUPPLY

P/N: 9950

Input: 110 VAC 60Hz

Output: 0-30VDC @ 0-19A Constant Voltage or Current

Specifications/Features: True Constant Current (Can drive a short). Enclosed Linear bench supply with dual LED displays for output Volts & Amps. .01% +3mV Line / .05%+3mV Load regulation, <1.5mV RMS ripple. Front binding posts. Internal Temp. controlled fans.

L: 11-1/4" W: 10-1/2" H: 6-1/2" WT: 41

STOCK #	DESC.	1EA	5+EA
9950-PS	0-30V/19A Adj. Supply	\$269.00	\$239.00



STEPDOWN ISO. TRANSFORMER

MFG: STANCOR

P/N: GSD150

Input: 230 VAC 50/60Hz

Output: 115VAC @ 1.3A (150W)

Specifications/Features: Step down Isolation transformer with grounded core shield. 5-1/2ft. input cord with 230V NEMA 6-15P molded plug, 8in. output cord with Std. 115V NEMA 5-15R molded receptacle. Ground pass through.

L: 4-3/16" H: 3-7/8" W: 3-3/16" WT: 7.6

STOCK #	DESC.	1EA
18679-PS	Stancor Stepdown Transformer	\$29.95

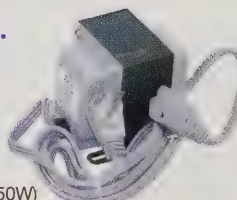


PHOTO TACHOMETER

Hand held photo reflective tachometer. 5 digit LCD display measures RPM from 5-99,999 with auto range select. Resolution: 1RPM <1000, 1RPM/above 1000. Features Hi/Lo/ Last reading memory. Powered by 4 "AA" cells or included 120VAC adapter. Requires reflective area on a non reflective surface.

WT: 1.52

STOCK #	DESC.	1EA
15161-TE	PHOTO Tachometer	\$39.00

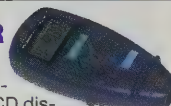


LASER TACHOMETER

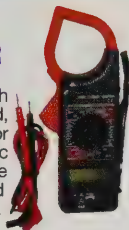
Hand held photoreflexive tachometer uses LASER beam. 5 digit LCD display measures RPM from 2.5-99,999. Resolution: 1RPM /2.5-999, 1RPM/above 1000. Features Hi/Lo/ Last reading memory. Powered by 4 "AA" cells or included 120VAC adapter. Requires reflective area on a non reflective surface.

WT: 1.52

STOCK #	DESC.	1EA
15160-TE	LASER Tachometer	\$39.95



CLAMP-ON DIGITAL AMMETER/MULTIMETER



Clamp-on digital Ammeter/multi-meter with 3-1/2 digit LCD display. Features Data Hold, 2" Jaw opening, 2" clamp diameter closed for large conductors or buss bars. Impact plastic case. With test leads, wrist lanyard, storage pouch & instructions. **Note:** Meter designed for reading AC/DC lines not low level uses. Not auto-ranging.

AC CURRENT: 200, 1000, Accuracy +2% +5LSD, Frequency 50-60Hz, Overload 1200A 1min.

AC VOLTS 750V, Accuracy +1.0% +4LSD, Overload 750V AC/DC

DC VOLTS 1000 Volts, Accuracy +.5% +1LS, Impedance 9M ohms

RESISTANCE
Ranges: 200, 20Kohms
Accuracy: +1% +3LSD @ 200
+1% +1LSD @ 20K

CONTINUITY TEST: (200ohm Range)
BUZZER < 30 +20 ohms
H: 9-1/4" W: 3-1/2" T: 1-3/4" WT: .9

STOCK #	DESC.	1EA
11469-TE	Digital Amp Meter	\$9.95

TRUE RMS AUTORANGE DMM



Quality 3-7/8 digit (6000 count) DMM with .8" char. ht. LCD display. Autoranging with Max/Min, Data Hold, AC & DC voltage/Current, frequency to 600KHz, Capacitance, Resistance to 60M Ohm, Fused input. Includes Test leads.

Batteries not included

DC VOLTS 6V to 1KV, Accuracy .3% +3 LS digit/.8%+4 on 1KV. Impedance 10 Mohm

DC CURRENT 600uA to 20A, Accuracy .8% +5 LS digit/1.2% +5 on 10A. Overload .8A Fuse on uA, mA

AC VOLTS 6V to 750V, Accuracy 1% +8 LS digit, Impedance 10M ohm, Overload 750VRMS

AC CURRENT 600uA to 20A, Accuracy 1.2% +8LS digit 2% +8 on 10A.

20A: 15sec/30min off. Fused @ 15A

CAPACITANCE 60nF to 100uF, Accuracy 10% +25 LS digit, 2.5% +10 on 100uF.

RESISTANCE 600 to 60M Ohm, Accuracy .5% +5 LS digit, 2% +10 on 60M Ohm.

FREQUENCY 11Hz-600KHz, Accuracy .2% +3 LS digit,

OTHER Continuity buzzer <40Ohm, Diode/Transistor tests

STOCK #	DESC.	1EA
16375-TE	True RMS DMM	\$89.00

DIGITAL MULTIMETER

Light weight 3-1/2" digit hand held meter with LCD display. With battery, test leads & instructions. Fuse & Diode Overload protection. 10A Unfused) 9V Powered



SPECIFICATIONS

DC VOLTS & CURRENT

Range Volts: 2,2,20,200,1KV
Current: 200ua,2,20,200mA,10A

AC VOLTS

Ranges Volts: 200,750V

RESISTANCE

Ranges: 200-2K-20K-200K-2M
Test V: 2.8 VDC open cir.

MISCELLANEOUS

Diode Test: ~1.5mA
Transistor Test: Test I = ~10uA Vce = ~2.8V
Accuracy: 2% worst case (10A range)

STOCK #	DESC.	1EA
17892-TE	Lightweight 3.5 Digit DMM	\$6.95

BACKLIT DMM



3-1/2 digit, 15mm (.6") char. Ht. LCD digital multimeter. Features HOLD Button, back-light button (~5sec. on). With 9V battery, test leads & instructions. Fuse & Diode protected (not 10A range). Yellow protective Boot. CE listed. Cat 2 use. Not Auto Turnoff

DC VOLTS 200mV, 2,20,200,600, Accuracy .8% +2 LS digit

DC CURRENT 200uA, 2,20,200mA, 10A, Accuracy 1.5% +2 LS digit, 250V on 200mV 600V Max

AC VOLTS 200,600V, Accuracy 1.2% +10 LS digit, 40-400Hz. Ave. Responding, 600V RMS/DC Max

RESISTANCE 200,2K,20K,200K,2M Ohm, Accuracy 1% +2 LS Digit, 250V RMS Max

DIODE & TRANSISTOR TEST
Diode Displays forward drop
HFE 0-1000 Ib = 10ua/Vce=3V

H: 5-3/4"	W: 3"	D: 1-1/4"	WT: .8
STOCK #	DESC.	1EA	
14213-TE	Mini Deluxe Backlit DMM	\$14.95	

BACKLIT AUTORANGE DMM



Quality 3-3/4 digit (4000 count) DMM with .8" char. ht. backlighted LCD display. Autoranging and Range & Data Hold, AC & DC voltage/Current, frequency to 400KHz, Capacitance, Resistance to 40M Ohm, Fused input. Includes Test leads, **9V Battery not included**

DC VOLTS: 4V to 1KV, Accuracy .8% +5 LS digit Impedance 10 Mohm

DC CURRENT 400uA to 20A, Accuracy 1.2% +5 LS digit/1.8% on 4A/2% on 10A. Overload .5A Fuse on uA, mA.

20A: 15sec on/30min off. Fused @ 20A

AC VOLTS 4V to 750V, Accuracy 0.8% +8 LS digit, Impedance 10M ohm, Overload 750VRMS

AC CURRENT 400uA to 10A, Accuracy 1.2% +8LS digit 2.5% +5 on 4A, 3%+5 on 10A, Overload fuse.

20A: 15sec on/30min off. Fused @ 20A

CAPACITANCE 4nF to 100uF, Accuracy 6% +6 LS digit on 40nF, 2% +5 on others

RESISTANCE 400 to 40M Ohm, Accuracy .8% +5 LS digit, 1.2% +10 on 40M Ohm.

FREQUENCY 10Hz-400KHz, Accuracy .2% +3 LS digit,

OTHER Continuity buzzer <20Ohm, Diode/Transistor tests

T: 7-3/8"	W: 3-5/8"	D: 1-3/4"	WT: .8
STOCK #	DESC.		1EA
16373-TE	Lge. Char. Backlit DMM		\$34.95

LARGE CHARACTER MULTIMETER



1in.Character Hight, 3-1/2 digit LCD digital multimeter. With 9V battery, test leads & instructions. CE Listed

SPECIFICATIONS

DC VOLTS & CURRENT

Ranges: Volts: 200m,2,20,200,1KV
Accuracy: .5% +3 LS digit
Overload: 200V ACrms for 200mV
1KV/750RMS for all other

Current: 200ua,2,20,200mA,10A
Accuracy: 1% +3 LS digit (2%/10A)
Overload: 500mA Fuse/ Unfused 10A

AC VOLTS

Ranges: Volts: 200,750V
Accuracy: 1.2% +10 LS digit
Overload: 1KV/750RMS for all other

RESISTANCE

Ranges: 200,2K,20K,200K,2M
Accuracy: <200: 1% +10 LS Digit
> 200: 1% +2 LS Digit
Overload: 200V AC/DC15Sec. Max.

DIODE & TRANSISTOR TEST:

2.8VDC Test V
10uA Base drive HFE

H:	W:	T:	WT:
5"	2-3/4"	1-1/4"	1.2
STOCK #	DESC.	1EA	100+EA
17191-TE	Lg. Char. DMM	\$5.95	\$4.95

AUTORANGE DMM RS232 INTERFACE



Quality 3-3/4 digit (3999 count) DMM with 1" char. ht. Connects to your PC port & software provides data capture, tracking & printing. Autoranging or manual, Data Hold, AC & DC voltage/Current, frequency to 300KHz, Capacitance, Resistance, 40M Ohm, Fused input. Includes Test leads, Black Boot, RS232 cable & Software.

Requires: Pent. 90MHz or better, Win95 above, 16M RAM, 20M Hard drive space, Floppy Drive. **Batteries not included**

DC VOLTS: 4V to 1KV, Accuracy .5% +3 LS digit (0.8%+3 on 1000), Impedance 10 Mohm

DC CURRENT 400uA to 20A, Accuracy 1.2% +5 LS digit, Overload .8A Fuse on uA, mA/20A

20A: 30sec on/15min off. Fused @ 20A

AC VOLTS .4V to 750V, Accuracy 0.8% +8 LS digit, Impedance 10M ohm, Overload 750VRMS

AC CURRENT 400uA to 20A, Accuracy 1.2% +10LS digit (3%+5 on 20A), Overload fuse.

20A: 30sec on/15min off. Fused @ 20A

CAPACITANCE 4nF to 40uF, Accuracy 5% +25 LS digit (2% 40uF), Test Voltage .45V, Overload 1000Vp

RESISTANCE 400 to 40M Ohm, Accuracy 1.5% +5 LS digit, (5% 40M Ohm)

FREQUENCY 10Hz-300KHz, Accuracy .5% +3 LS digit,

OTHER Continuity buzzer <20Ohm, Diode/Transistor: 2.8V Test Transistor HFE @ 10uA

T: 7-3/4"	W: 3-1/4"	D: 1-1/2"	WT: 1.3
STOCK #	DESC.		1EA
16374-TE	Lge. Char.	DMM/RS-232	\$49.95

AUTO RANGE TRUE RMS DMM



UL Listed, Auto Ranging, Quality 3-3/4 digit (4000 count) DMM with .8" char. ht. LCD display. Data & Range Hold, AC & DC voltage/Current, Frequency, Resistance, Temperature, Capacitance, Fused input. Includes Test leads & Temp. probe

Batteries not included (2 X AA)

DC VOLTS: 4V to 1KV, Accuracy .8% +1 LS digit, Impedance 10 Mohm

DC CURRENT 400uA to 20A, Accuracy 1.2% +5 LS digit, 2% +5LS digit on 20A. Overload .5A Fuse on uA, mA. 20A: 15sec on/30min off. Fused @ 20A

AC VOLTS 4V to 750V, Accuracy 0.8% +8 LS digit, Impedance 10 Mohm

AC CURRENT 400uA to 20A, Accuracy 1.2% +8LS digit, 3%+5 LS digit on 20A, Overload fuse.

20A: 15sec on/30min off. Fused @ 20A

RESISTANCE 400 to 40M Ohm, Accuracy .8% +5 LS digit, 1.2% +10LS digit on 40M Ohm.

CAPACITANCE 4nF-100uF, Accuracy 6%+6 LS digit on 40nF, 2% +5 LS digit other ranges

FREQUENCY 4Hz-400KHz, Accuracy .1% +3 LS digit, 250V max

DUTY CYCLE 0.1%~99.9%, Accuracy 1.2% +2 LS digit, Pulse Width: 100uS~100mS

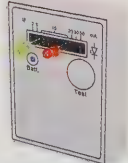
TEMPERATURE

C: -20~ 300deg Accuracy 3deg. C +3 LS digit
F: -4~ 572deg Accuracy 3deg. F +6 LS digit

OTHER Continuity buzzer <20Ohm, Diode/Transistor HFE

T: 7-1/4"	W: 3-3/8"	D: 1-3/4"	WT: 1.1
STOCK #	DESC.	1EA	
17350-TE	Auto True RMS DMM	\$59.00	

LED TESTER



Compact, pocket sized checker/comparator for LEDs. 12 position test socket strip provides test currents of 2,5,10,20,30 & 50mA. 7 center positions provide 10mA test current allowing you to compare several LED at the same time. Requires 9V battery (not supplied)

H:	W:	T:	WT:
3-1/8"	2-3/8"	7/8"	1.1
STOCK #	DESC.	1EA	5-1EA
14371-TE	LED Tester	\$6.95	\$5.95

CABLE TRACER

Two part cable tracer with 2 test leads & a 4 conductor MOD cable. Tone generator sends signal into cable that can be traced by probe. Generator features: color LED for Phone line polarity, continuity and voltage testing. 30in Red, Black leads, 12in Phone cable, Modeswitch. Probe features: Non-conductive, inductive tip, Adj. volume level, Probe works with most existing tone generators. Both use 9V batteries. Includes zippered cloth carry pouch.

WT: .52

STOCK #	DESC.	1EA
6812-TE	Wire/Cable Tracer	\$19.95

FIBER OPTIC TESTER

2 piece unit allows testing of installed lines. Receiver displays signal level. Test Wavelength: 1300nm. Fiber Core: 62.5/125µm (Multimode) Range: -20--40dbm also "HI" & "LO" when outside range Termination: ST Female Requires 9V battery for each unit (Not Supplied). Includes zippered cloth case.

L: 4-1/2" W: 2-1/2" T: 1" WT: .5 (Pair)

STOCK #	DESC.	1EA
6820-TE	Fiber Optic Test Set	\$120.00

DC PANEL METERS

ELENCO DC panel meters, Black legends/Red over-ange, Plastic case. Back Mounts in 2" X 1-1/8" cutout NO MOUNTING HARDWARE

W: 2-1/4" H: 1-7/8" D: 1-1/4" WT: .1

STOCK #	DESC.	1EA	10+EA
5333-ME	0-30V DC Voltmeter	\$6.95	\$6.59
5334-ME	0-40V DC Voltmeter	\$6.95	\$6.59
5336-ME	0-3A DC Ammeter	\$6.95	\$6.59

SWITCHBOARD PANEL METERS

Quality switchboard panel meters. Accuracy: 2-1/2%. Black legends and pointer on white face with mirror scale. Plastic case with "zero" adjustment. Front mounts in 1-1/2" hole. Four mounting screws on 1-1/4" ctrs. 30A DC meter includes External Shunt. 5A AC meter Includes external CT.

W: 2-3/16" H: 1-13/16" D: 1-1/2" WT: .16 (.35 for 30A)

STOCK #	DESC.	1EA
17671-ME	0-15V DC Voltmeter	\$8.95
17672-ME	0-30V DC Voltmeter	\$8.95
17674-ME	0-3A DC Ammeter	\$8.95
17679-ME	0-30A DC Ammeter/Shunt	\$9.95
17681-ME	0-150V AC Voltmeter	\$8.95
17683-ME	0-5A AC Ammeter	\$9.95

GENERAL USE VOLT & AMP METERS

Quality general use panel meters. Accuracy: 2-1/2%. Black legends on white face. Plastic case with "zero" adjustment. Front mounts in 1.772" (45mm) hole. Two mounting screws on diagonal.

W: 2-3/4" H: 2-1/4" D: 1-7/8" WT: .2

STOCK #	DESC.	1EA
16557-ME	0-150VAC Voltmeter	\$7.95
17255-ME	0-3AAC Ammeter	\$7.95
16558-ME	0-15AAC Ammeter	\$12.95

BACKLIT LCD METER

Compact, 200mV input, Auto polarity, 3-1/2 Digit, 1/2" character height, Back lit LCD panel meter with black plastic bezel & face plate. Adj. decimal point, .5% accuracy. >100Mohm input imp. Chip On Board design for economy & compactness. For battery powered monitoring or test equipment. Through panel mounting.

9 VDC powered. Meter power must be isolated from input (Cannot monitor own power source).

AVAILABLE: Scaling Resistors for you to install.

20.0 VDC Resistor set 12073-RS

200 VDC Resistor set 12074-RS

W: 2-3/4" H: 1-3/4" D: 1-1/8" (Inc. Bezel) WT: .13

STOCK #	DESC.	1EA	10+EA
11273-ME	9V BackLit Panel Meter	\$12.95	\$11.95
12073-RS	20V Resistors	\$1.00	\$0.90
12074-RS	200V Resistors	\$1.00	\$0.90

SNAP-IN LCD PANEL METER PM438

Compact, Snap-In, 200mV 3-1/2 Digit, reflective LCD Digital panel meter with black plastic bezel & face plate. New Chip On Board design for economy as well as compactness. Ideal for battery powered monitoring or test equipment.

Basic meter features:

1/2" character height Auto polarity 2 readings/sec., Adj. decimal point >100Mohm input imp. .5% accuracy.

Snap-In Through front of panel

9 VDC powered. Meter power must be isolated from input (Cannot monitor own power source).

W: 2-5/8" H: 1-9/16" D: 3/4" WT: .1

STOCK #	DESC.	1EA	10+EA
15978-ME	9V Snap-In LCD DPM	\$9.95	\$8.95
12073-RS	20V Resistors	\$1.00	\$0.90
12074-RS	200V Resistors	\$1.00	\$0.90

LCD PANEL METERS

200mVDC Compact, 3-1/2 Digit, reflective LCD Digital panel meter with black plastic bezel & face plate. Chip On Board design for economy as well as compactness. Ideal for battery powered monitoring or test equipment.

Basic meter features:

1/2" character height Auto polarity 2 readings/sec., Adj. decimal point >100Mohm input imp. .5% accuracy.

Through panel mounting.

9 VDC powered. Meter power must be isolated from input (Cannot monitor own power source).

5 VDC powered. Meter power and Input can share a common Ground (-input/-Power)

AVAILABLE: Scaling Resistors for you to install.

20.0 VDC Resistor set 12073-RS

200 VDC Resistor set 12074-RS

W: 2-5/8" H: 1-3/4" D: 3/8" WT: .1

STOCK #	DESC.	1EA	25EA	100+EA
6929-ME	9V LCD DPM	\$7.95	\$6.40	\$5.95
15977-ME	5V LCD DPM	\$10.95	\$9.95	\$8.95
12073-RS	20V Resistors	\$1.00	\$0.80	\$0.70
12074-RS	200V Resistors	\$1.00	\$0.80	\$0.70

MINI LED PANEL METER

CX102

3-1/2 Digit, 200.0mV DC input, . Compact, LED DPM with black plastic face. 1/2" character height, adj. decimal point, auto polarity, >10Mohm input imp. 2 readings/sec., .05% accuracy. Snap-in panel mounting. Gold plated pins on .10" spacing. **RECOMMEND YOU PURCHASE SCALE BOARD** 12209-ME Scaling board for 20V, 200V & 500V. Plugs on back. **MUST BE ORDERED SEPARATELY** **5 VDC powered.** Meter power and Input can share a common Ground (-input/-Power)

W: 2-7/16" H: 1" D: 1-13/16" WT: .07

STOCK #	DESC.	1EA	10+EA
12208-ME	Mini 5VLED Panel Meter	\$14.95	\$10.49

MINI LCD PANEL METER CX101

3-1/2 Digit, 200.0mV DC input. Compact, LCD DPM with black plastic face. 1/2" character height, adj. decimal point, auto polarity, >10Mohm input imp. 2 readings/sec., .05% accuracy. Snap-in panel mounting. Gold plated pins on .10" spacing. **RECOMMEND YOU PURCHASE SCALE BOARD** 12209-ME Scaling board for 20V, 200V & 500V. Plugs on back. **MUST BE ORDERED SEPARATELY**

Meter power: Must be isolated from Signal input (Cannot monitor own power source).

W: 2-7/16" H: 1" D: 1-13/16" WT: .07

STOCK #	DESC.	1EA	10+EA
12205-ME	Mini 9VLCD Panel Meter	\$13.50	\$10.90

DPM SCALE BOARD

SCALE BOARD FOR 12205, 12206, 12207, 12208 DPM'S Scale board plugs on back of meter. Includes scaling resistors for 20V, 200V & 500V ranges.

STOCK #	DESC.	1EA	10+EA
12209-ME	DPM Scale Board	\$4.50	\$4.20

MULTI FUNCTION PANEL METER

Compact, Auto polarity, 3-1/2 Digit, 1/2" character height, reflective LCD panel meter with black plastic bezel & face plate. Adj. decimal point, .8% accuracy (1% AC). >100Mohm input imp. Chip On Board design for economy & compactness. For battery powered monitoring or test equipment.

RANGES: (jumper selected)
ADC: 200mA VAC: 200V/500V
VDC: 200mV/2V/20V/200V/500V

Selectable Power: 9VDC (Isolated power) or 5VDC (input & power can share common Ground)

W: 2-5/8" H: 1-3/4" D: 3/8" WT: .1

STOCK #	DESC.	1EA	15+EA
16177-ME	Multi.LCD Panel Meter	\$8.95	\$8.40

LARGE DIGIT PANEL METERS

3-1/2 digit, LED, 200.0mV DC basic input, .8" character height, DPMs with black plastic face. adj. decimal point, auto polarity, >100Mohm input imp. 2 readings/sec., .05% accuracy. Snap-in panel mounting. Built in scaling resistors for 20V, 200V & 500V ranges **5 VDC powered.** Meter power and Input can share a common Ground (-input/-Power)

W: 3-3/8" H: 1-5/8" D: 1" O/A WT: .13

STOCK #	DESC.	1EA	10+EA
12308-ME	5V LED Panel Meter	\$12.95	\$11.95

scan with your smart phone



www.meterwarehouse.com

DUAL RANGE LED PANEL METER



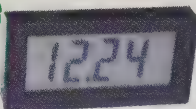
3-1/2 Digit, 200.0mV/20V DC input. Compact, LED DPM with black plastic face. .56" character height, adj. decimal point, auto polarity, >1Mohm input imp. 2 readings/sec., .2% accuracy. Snap-in panel mounting. Header connector for input/output. (Includes mating connector with leads.) DIP Switch for Decimal point, Differential input, and 100X input (Switch "ON" for 20V input) selection.

5 VDC powered. Meter power and Input can share a common Ground (-input/-Power) EXCEPT in "Differential" mode.

W: 72mm H: 36mm D: 27mm WT: .13

STOCK #	DESC.	1EA	10+EA
16565-ME	Mini 5VLED Panel Meter	\$9.95	

LARGE DIGIT PANEL METERS



3-1/2 digit, LCD, 200.0mV DC basic input, .8" character height, DPMs with black plastic face. adj. decimal point, auto polarity, >100Mohm input imp. 2 readings/sec., 0.5% accuracy. Snap-in panel mounting. Built in scaling resistors for 20V, 200V & 500V ranges

9 VDC powered. Meter power must be isolated from input (Cannot monitor own power source).

5 VDC powered. Meter power and Input can share a common Ground (-input/-Power)

W: 3-3/8" H: 1-5/8" D: 1" O/A WT: .13

STOCK #	DESC.	1EA	10+EA
12305-ME	9V LCD Panel Meter	\$9.95	\$9.49
12306-ME	5V LCD Panel Meter	\$9.95	\$9.49

4-1/2 DIGIT PANEL METER



200.00mV DC input, Compact 4-1/2 Digit LCD DPM with black plastic face. 3/8" character height, adj. decimal point, auto polarity, >100Mohm input imp. 2 readings/sec., 0.05% accuracy. Through panel mounting. Holes on board to add scale resistors.

9V powered. Meter power must be isolated from input (Cannot monitor own power source).

W: 2-5/8" H: 1-3/4" D: 1/2" WT: .1

STOCK #	DESC.	1EA	10+EA
7160-ME	4-1/2 Digit Panel Meter	\$18.95	\$17.95
12073-RS	20V Resistors	\$1.00	\$0.90
12074-RS	200V Resistor	\$1.00	\$0.90

LED DIGITAL PANEL METER



3-1/2 Digit LED DPM with black plastic bezel & face plate. .56" character height, 200mV DC input, adj. decimal point, auto polarity, >100Mohm input imp. 2 readings/sec., .5% accuracy. Through panel mounting. Holes on board to add scale resistors. Meter power must be isolated from input (Cannot monitor own power source).

W: 2-5/8" H: 1-3/4" D: 3/8" WT: .1

STOCK #	DESC.	1EA	10+EA
7516-ME	LED Panel Meter	\$11.95	\$10.95
12073-RS	20V Resistors	\$1.00	\$0.90
12074-RS	200V Resistor	\$1.00	\$0.90

SWITCHBOARD VOLTMETER



Quality switchboard panel meter. Accuracy rated 2-1/2%. Black legends on white face with red tip pointer. Plastic case with "zero" adjustment. Front mounts in 2-3/8" (60mm) hole. Two mounting screws.

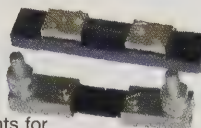
W: 3-1/8" H: 2-1/2" D: 2-3/8" WT: .24

STOCK #	DESC.	1EA	10+EA
8720-ME	0-50V DC Voltmeter	\$13.95	\$12.95

DC CURRENT SHUNTS

A

B,C,D



Panel mount DC current shunts for use with 50mV or 100mV DC ammeters. Type A have Thermoplastic mounting base with mounting holes. Screw terminals for input & meter leads. B,C,D have bolts for input.

A: L: 4-3/4" W: 1" H: 3/4" WT: .2
B: L: 3-7/8" W: 3/4" H: 1-1/2" WT: .42

STOCK #	FIG	DESC.	1EA	5+EA
15320-ME	A	10 A/50mV Shunt	\$6.95	\$5.49
15321-ME	A	25 A/50mV Shunt	\$6.95	\$5.49
16360-ME	A	30 A/75mV Shunt	\$6.95	\$5.49
15322-ME	A	50 A/50mV Shunt	\$6.95	\$5.49
15431-ME	B	100 A/50mV Shunt	\$7.95	\$6.95
15985-ME	B	100 A/100mV Shunt	\$7.95	\$6.95

40MHZ SCOPE PROBE



Mueller Quality 40MHz oscilloscope probe with a BNC connector to match to most equipment. With ground lead & retractable hook tip, IC tip. For field service, schools or shop. CE Listed

Max Input: X1: <200VDC + Peak AC. X10: <600VDC + Peak AC

Imped: 1X= 1M ohm 10X= 10M ohm

Bandwidth: 1X = >6MHz +3db. 10X=>40MHz +3db.

Capacitance 1X = 85-115pF; 10X = 18.5-22.5pF

Includes: Adj. screwdriver, Gnd. Lead, storage Pouch, L: 1.2m

WT: .2

STOCK #	DESC.	1EA
18164-TE	Mueller Scope Probe	\$8.95

250MHZ HV SCOPE PROBES



Quality 250MHz oscilloscope probes with a BNC connector to match to most equipment. Impedance: 100X= 100M ohm. With ground lead & retractable hook tip, IC tip.

For field service, schools or shop. CE Listed

1.2KV PROBE: Working Voltage: 1,200VDC + Pk AC.

Bandwidth: 100X = >250MHz +3db. Capacitance 1X = 6.5pF(+ scope input)

L: 1.2m

WT: .2

STOCK #	DESC.	1EA
18147-TE	1.2KV 250MHZ Probe	\$34.95

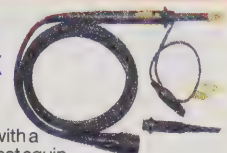
2.0KV PROBE: Working Voltage: 2,000VDC + Pk AC. Bandwidth: 100X = >250MHz +3db. Capacitance 1X = 6.5pF(+ scope input)

L: 1.2m

WT: .2

STOCK #	DESC.	1EA
18148-TE	2.0KV 250MHZ Probe	\$38.95

SCOPE PROBES SELECTABLE 10X OR 1X



Quality oscilloscope probes with a BNC connector to match to most equipment. Max Input: 600V AC P/P + DC. Impedance: 1X= 1M ohm; 10X= 10M ohm. With ground lead & retractable hook tip, IC tip.

For field service, schools or shop.

20MHz PROBE: Bandwidth: 1X = >15MHz +3db.

10X=>20MHz +3db: Capacitance 1X = 46pF; 10X = 15pF, (+ scope input)

40MHz PROBE: Bandwidth: 1X = >15MHz +3db.

10X=>40MHz +3db: Capacitance 1X = 46pF; 10X = 15pF, (+ scope input)

60MHz PROBE: Bandwidth: 1X = >15MHz +3db

10X=>60MHz +3db: Capacitance 1X = 46pF; 10X = 15pF, (+ scope input)

100MHz PROBE: Bandwidth: 1X = >6MHz +3db

10X=>100MHz +3db. Capacitance 1X= 150pF; 10X= 14pF, (+ scope input)

200MHz PROBE: Bandwidth: 1X = >10MHz +3db.

10X=>200MHz +3db: Capacitance 1X = 46pF; 10X = 12pF, (+ scope input)

L: 1.2m

WT: .2

STOCK #	DESC.	EA
15085-TE	20MHz Probe	\$7.95 any qty.
15086-TE	40MHz Probe	\$8.95 any qty.
8630-TE	60MHz Probe	\$9.95 any qty.
8682-TE	100MHz Probe	\$15.95 any qty.
15087-TE	200MHz Probe	\$18.95 any qty.

DIFFERENTIAL SCOPE PROBE



Quality 35MHz Differential oscilloscope probe with a BNC connector to match to most equipment.

For use in circuits that are referenced to high common mode voltages and floating high voltages.

Bandwidth: 35MHz (-3db)

Impedance: 1/1=10M/5PF

10/1=10M/5PF

100/1= 11M/5PF

Differential DC Input Resistance: 20M Ohm

Max. Input Diff.: Volts: (DC+AC)

1/1=+-10V

10/1=+-100V

100/1=+-1000V

Max. Common Mode:

1/1= +-100V

10/1=+-100V

100/1=+-1000V

Output: +-10V into 1M scope input (2X if into 500ohm input.)

Output Imp.: 50 Ohms

CMRR: >40db @ 1MHz.

Input leads: 40cm (15in)

Output BNC Cable: 90cm (35+in.)

Ground Lead: (Banana Plug to scope) 16cm (6in.)

lead from BNC connector.

Includes: 2 retractable hook tips for input leads.

and 6V @ 400mA Plug-in power supply

Requires 4 "AA" batteries (Not Included) for portable use.

L: 6.9" W: 2.52" T: .9" Ship. WT: 2.5

STOCK #	DESC.	1EA
18149-TE	Differential Scope Probe	\$295.95

ATTENUATORS TERMINATOR



Impedance: 50 ohms+-1%

Range: DC-1GHz

Vswr: <1.5:1

Power: 1W

BNC-M to BNC-F Attenuators & feedthrough terminator

for test equipment, probes and fixtures

WT: .2

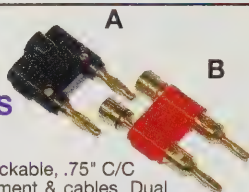
STOCK #	DESC.	1EA	5+EA
16545-TE	3 ½dB BNC Attenuator	\$9.95	\$7.95
16546-TE	6 ½dB BNC Attenuator	\$9.95	\$7.95
16547-TE	10 ½dB BNC Attenuator	\$9.95	\$7.95
16548-TE	20 ½dB BNC Attenuator	\$9.95	\$7.95
16549-TE	50ohm BNC Terminator	\$9.95	\$7.95

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BINDING POST/ BNC ADAPTER


Quality, test adapter features Dual Binding posts to a BNC Male connector. Binding posts have wire hole and accept Banana Plugs as well. Black Post is connected to BNC Shell & is marked "GND" while the Red Post is connected to BNC center pin.
L: 2-3/8" Body WT: .06

STOCK #	DESC.	1EA	10+EA
17579-PL	Binding Post to BNC	\$2.95	\$2.75

DUAL BANANA/ BINDING POSTS


Quality, Gold plated, stackable, .75" C/C spacing. For test equipment & cables. Dual banana plug with: Binding Posts OR Set screws to attach wire, cable, component or spade lugs.

WT: .11 (Banana/Posts) WT: .03 (Banana only)

STOCK #	DESC.	1EA	10+EA
14901-PL	Red Dual Banana Plug A	\$1.25	\$0.99
14902-PL	Black Dual Banana Plug A	\$1.25	\$0.99
14903-PL	Red Dual Binding Post B	\$2.50	\$1.95
14904-PL	Black Dual Binding Post B	\$2.50	\$1.95

DUAL BINDING POSTS

Red & Black, safety binding posts accept banana plug in top or wire through hole in side. All front panel connections are recessed to prevent contact. Mounts in double .50" holes on .75" ctr. Solder terminals on back.



WT: .07

STOCK #	DESC.	1EA	10+EA
14492-PL	Dual BindingPost	\$1.95	\$1.75

TELCO TYPE TEST CLIPS

Mueller JP-8078, 2-1/4" Angled Telco alligator clips with cable piercing tool steel spike. Designed to grip punch-down blocks as well as wire posts etc. Nickel-silver, with brass screw, washer & bronze lock washer. Includes pair of clips plus 1 Red & 1 Black flexible vinyl boot. For test leads, clip leads, or test jigs.
L: 2-1/4" WT: .088



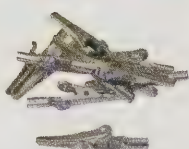
STOCK #	DESC.	1EA
18160-TL	Mueller Telco Gator Clips	\$6.95

MICRO CLIP TEST LEADS

Red & Black test leads with Banana Plugs on one end and Micro clips on the other.
L: 34" WT: .07



STOCK #	DESC.	1EA	10+EA
15971-TE	Test Hook Leads	\$1.95	\$1.79

ALLIGATOR CLIPS


H.H. Smith: #350 10pc. pack of 2" bright Tin Plated steel alligator clips. Can be soldered, accepts a banana Plug attached using the screw. For test leads, clip leads, or test jigs.
L: 2" O/A H: 1/2" O/A WT: .1

STOCK #	DESC.	PK10
18612-AL	Smith Alligator Clips	\$2.95

ALLIGATOR CLIP LEAD SET


Handy set of 10 multi colored clip leads. 26 AWG leads 12" long, with insulated 27mm or 35mm alligator clips on each end, 2 leads each in five colors. For shop or lab.

L: 12"

WT: .2

STOCK #	DESC.	1EA	5+EA
3569-TE	Mini Clip Lead Set 27mm	\$1.95	\$1.75
16434-TE	Clip Lead Set 35mm	\$2.50	\$1.99

MED. ALLIGATOR CLIP LEAD SET


Handy set of 5 multi colored clip leads. 24 AWG leads 12" long, with insulated 45mm alligator clips on each end, 1 lead each in five colors. For shop or lab.

L: 12"

WT: .2

STOCK #	DESC.	1EA	5+EA
16435-TE	Med. Clip Lead Set	\$2.50	\$1.99

BATTERY CLIP LEAD SET


Handy set of 6 multi colored clip leads. 24 AWG leads 12" long, with insulated 10mm mesh jaw clips on each end, 1 lead each in six colors. For shop or lab.

L: 12"

WT: .2

STOCK #	DESC.	1EA	5+EA
16436-TE	Clip Lead Set	\$2.99	\$2.50

18AWG ALLIGATOR CLIP LEADS


Handy set of 2 Red, 2 Black & 1 Green clip leads. 18 AWG leads 20" long, with insulated alligator clips on each end. For shop or lab.

L: 20"

WT: .2

STOCK #	DESC.	1EA	10+EA
16050-TE	5pc. Clip Lead Set	\$1.65	\$1.25

7FT. CLIPLEAD


7ft long SPT-2 18AWG ZIP cord. Black with wide Red stripe. Each end has 2" alligator clips with Red & Black covers.

L: 7ft.

WT: .3

STOCK #	DESC.	1EA
17585-TE	7ft. Clip lead Pair	\$4.95

BANANA PLUGS


Black banana plugs with nickel plated brass Four leaved spring tip, thermoplastic cover. Solder connection.

WT: .05

STOCK #	DESC.	1EA	10+EA
8070-PL	Red Banana Plug	\$0.25	\$0.19
8071-PL	Black Banana Plug	\$0.25	\$0.19



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TEST CABLES


RG-58U test cable with a molded strain relief BNC connector on one end and red & black clips on the other. RG-58 cable is 3ft long with an additional 4-1/2" of red & 8" of black wire from a strain relief to the clips.

L: 40"

WT: .3

STOCK #	DESC.	1EA	5+EA
2802-TE	Test Hook Cable	\$3.99	\$2.99
12845-TE	Alligator clips Cable	\$3.99	\$2.99
12819-TE	Banana Plugs Cable	\$3.99	\$2.99

MICRO CLIP TEST LEADS


Red & Black test leads with a molded BNC Female on one end and Micro clips on the other.

L: 5"

WT: .03

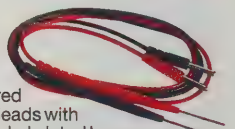
STOCK #	DESC.	1EA	10+EA
17559-TE	5in. Test Hook Leads	\$3.95	\$2.95

TEST HOOKS


Red & Black beryllium copper test hooks designed to clip to component leads leaving your hands free. 1-1/2" probe length, 2-1/4" long overall, 1/2" body Dia. Add your own wire for custom lengths. For lab, shop or school.

WT: .005

STOCK #	DESC.	1EA	25+EA
7161-MI	Red Component Clip	\$0.50	\$0.45
7163-MI	Black Component Clip	\$0.50	\$0.45

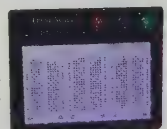
TEST PROBE SET


General purpose, pair of red and black test probes, 36in leads with banana plugs on one end nickel plated brass probe on other.

L: 36"

WT: .15

STOCK #	DESC.	1EA	5+EA
11214-TE	Banana Test Probe	\$2.49	\$2.25

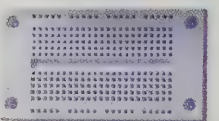
MINI BREADBOARD


3 individual 230 tie point solderless breadboards with 2 distribution strips each & 3 binding posts.

Features: Aluminum mounting base, ABS plastic body, Nickel plated phosphor bronze contacts Rated 2A Max. Contact resistance less than 1 milliohm @ 1kHz. Tested for over 10,000 cycles. Suitable for 19-29 AWG wire & all DIP size components.

W: 6-1/2" H: 5-1/4" T: 1/2" (Body) WT: .53

STOCK #	DESC.	1EA
18861-TE	Mini Breadboard	\$8.95

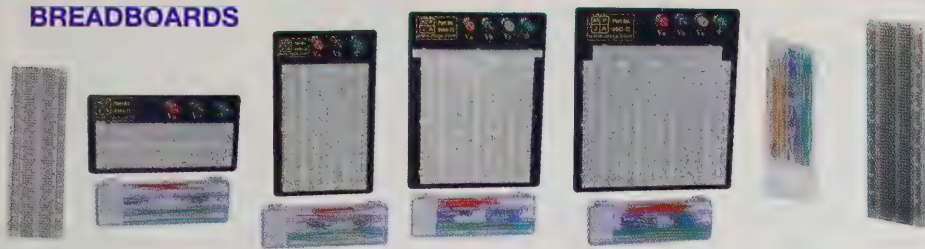
MINI BREADBLOCK


240 tie point solderless breadboard with 2 distribution strips. Features: ABS plastic body, Nickel plated phosphor bronze contacts Rated 2A Max. Contact resistance less than 1 milliohm @ 1kHz. Tested for over 10,000 cycles. Snap lock molded dovetail for combining multiple boards. Suitable for 19-29 AWG wire and all DIP size components.

L: 3-1/4" W: 2-1/8" T: 3/8" WT: .09

STOCK #	DESC.	1EA
18862-TE	Mini Breadblock	\$2.95

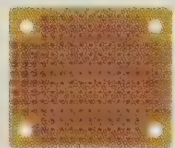
BREADBOARDS



White ABS plastic body (except G clear), Aluminum mounting base for figures B,C,D and E. Nickel plated phosphor bronze contacts. Contact resistance less than 1 milliohm @ 1kHz. Tested for over 10,000 cycles. Snap lock molded dovetail for combining multiple boards, Suitable for 19-29 AWG wire & all DIP size components. Please visit our web site for more detailed information.

STOCK #	FIG.	DESCRIPTION	SIZE L X W	WT.	1EA	10EA
4443-TE	A	830 point	6-1/2" X 2-1/8"	.3	\$4.95	\$3.95
4444-TE	B	830 point 3 Binding Post and Jumper kit	7-7/8" X 4-1/8"	.6	\$9.95	\$8.95
4445-TE	C	1660 point 3 Binding Post and Jumper Kit	8-3/8" X 5-1/8"	.9	\$12.95	\$11.49
4446-TE	D	2390 point 4 Binding Post and Jumper Kit	10-1/8" X 7-7/8"	1.3	\$18.95	\$16.95
4447-TE	E	3220 point 4 Binding Post and Jumper Kit	10-3/8" X 9-1/8"	1.5	\$22.95	\$19.49
7027-TE	F	140 Piece 22 AWG Jumper Wire Kit		.3	\$3.95	\$3.49
18103-TE	G	830 point Clear ABS Body	6-1/2" X 2-1/8"	.3	\$4.95	\$3.95

1-3/4" X 1-1/2" PROTO BOARD

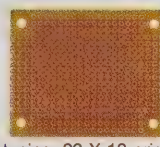


Single Sided
.062" phenolic board
.1" pad spacing
unplated copper pads
Mini general purpose prototyping board. 17 X 14 grid pattern with 202 total holes (9 missing in corners). Holds 1+ 14 or 16 pin ICs with room for several discrete components. Ideal for interface or signal isolation circuits. Fits 15917-BX Case.

L: 1-3/4" W: 1-1/2" WT: .009

STOCK #	DESC.	1EA	10+EA
15918-PB	Mini Proto Board	\$0.59	\$0.39

2-5/16" X 1-15/16" PROTO BOARD



Single Sided
.062" phenolic board
.1" pad spacing
unplated copper pads
Mini general purpose board for prototyping. 23 X 18 grid pattern with 378 total holes (9 missing in corners). Holds 2+ 14 or 16 pin ICs with room for several discrete components. Ideal for interface or signal isolation circuits. Fits 15915-BX.

L: 2-5/16" W: 1-15/16" WT: .013

STOCK #	DESC.	1EA	10+EA
16227-PB	Small Proto Board	\$0.79	\$0.49

3-3/16" X 2-1/2" PROTO BOARD

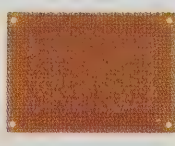


Single Sided, .062" phenolic board, .1" pad spacing, unplated copper pads. 31 X 24 grid pattern with 708 total holes (9 missing in corners). Holds 3+ 16 pin ICs. Fits 15913-BX Case.

L: 3-3/16" W: 2-1/2" WT: .024

STOCK #	DESC.	1EA	10+EA
15914-PB	Medium Proto Board	\$1.10	\$0.89

4-5/16" X 3-1/8" PROTO BOARD

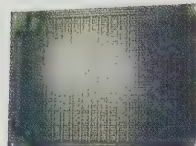


Single Sided
.062" phenolic board
.1" pad spacing
unplated copper pads
General purpose board for prototyping. 42 X 31 grid pattern with 1293 total holes (9 missing in corners). Holds 10+ 14 or 16 pin ICs with room for several discrete components. Ideal for interface or signal isolation circuits. Fits 15911-BX Case.

L: 4-5/16" W: 3-1/8" WT: .036

STOCK #	DESC.	1EA	10+EA
15912-PB	Large Proto Board	\$1.75	\$1.10

8-1/8" X 5-3/4" PROTO BOARD



Single Sided
.062" epoxy-glass board
.1" pad spacing
Plated copper pads
Wide use board for prototyping. Onboard set up for a 7805 & 78 series + regulator & a 79 series - Reg. +5 & Common buss on one edge & + & - Common busses on opposite edge. 1083 total holes in strips of 3 for breadboarding along with misc. holes for busses & edge connector(s) and the regulators.

L: 8-1/8" W: 5-3/4" WT: .18

STOCK #	DESC.	1EA
18863-PB	Large Proto Board	\$5.95

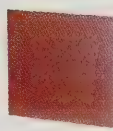
COPPER CLAD BOARDS



Double (DS) or single sided (SS) copper clad PC Board material. Standard 1/16" thick FR4 Base material with 1oz. copper/side

STOCK #	DESC.	WT.	1EA	5+EA
14868-DT	3" X 5" S/S	.1	\$1.95	\$1.49
14869-DT	4" X 6" S/S	.12	\$2.25	\$1.95
14870-DT	6" X 9" S/S	.3	\$4.75	\$3.95
14871-DT	6" X 6" D/S	.2	\$3.95	\$3.25
14872-DT	8" X 10" D/S	.4	\$12.49	\$10.95

COPPER CLAD BOARD

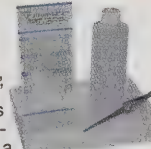


12" X 12" Double Sided copper clad PC Board material. 1.6mm (1/16") thick FR4 Base material with 1oz. copper/side.

Sq: 12" WT: .74

STOCK #	DESC.	1EA	10+EA
15537-BD	12 X 12 Copper Clad	\$8.95	\$7.95

TIN PLATING KIT



Will plate a copper board with a bright, protective tin plate approx. .0004" thick. Improves solderability, resists oxidation/tarnish & produces a professional appearance. Supplied as a dry power concentrate. When mixed will plate approx. 600sq./in. Kit includes: Concentrate, Tray, handling tool & 16oz. storage bottle for mix.

WT: .6/4

STOCK #	DESC.	1EA	5+EA
14896-DT	Tin Plating Kit	\$16.95	\$15.49
14897-DT	1 Pt. Concentrate	\$7.50	\$7.25

POWERED PROTO-TYPE SYSTEM

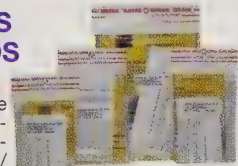


Breadboard with built-in multi-output power supply with LCD Meters. Dual LCD Meters monitor the + & - Variable output supplies. Features: 2 LCD Voltmeters, 4 power supply binding posts, 5 Distribution strips (500 pts), 3 Breadboard panels (1890Pts.), one +5VDC @ 1A supply, one 0 to +15VDC @ .5A supply, one 0 to -15VDC @ .5A supply. All parts are mounted in a metal case. Includes 6ft. IEC power cord.

W: 8" D: 10-1/2" T: 3-1/2" WT: 5.7

STOCK #	DESC.	1EA
17710-TE	Metered Powered Breadboard	\$89.95

PREMIER SERIES COATED BOARDS



Premier Series boards are ideal for repeatedly making PC boards from POSITIVE films (Opaque lines/patterns on clear film). Resist coated Premier boards do not require U/V light, only a 100W light bulb. Double (DS) or single sided (SS) copper clad PC Board material. FR4 Base material with 1oz. copper/side coated with resist and covered with a peel off plastic sheet (removed before exposure). Exposing frame recommended.

STOCK #	DESC.	WT.	1EA	5+EA
14880-DT	3" X 4" S/S	.1	\$4.95	\$4.49
14881-DT	3" X 6" S/S	.12	\$5.95	\$4.95
14882-DT	4" X 6" S/S	.15	\$6.82	\$5.99
14883-DT	6" X 9" S/S	.3	\$11.00	\$10.85
14884-DT	6" X 12" S/S	.4	\$17.95	\$15.95
14885-DT	3" X 4" D/S	.1	\$5.49	\$4.49
14886-DT	6" X 6" D/S	.22	\$10.95	\$9.95
14887-DT	6" X 9" D/S	.33	\$13.95	\$12.49
14888-DT	6" X 12" D/S	.5	\$19.95	\$18.95

BOARD ETCHANT



Dry concentrated Ferric Chloride. A dry powder that is mixed with water to produce a liquid used to remove the excess copper from PC board material. 1/4 lb. will makeup 1 pint of etchant solution. 1 pint will etch approx. 200sq/in of 1 oz. copper single side board. NOTE: Must be mixed/stored/used in glass or plastic containers NO metal!

WT: .5/1.1

STOCK #	DESC.	1EA	5+EA
14894-DT	1/4 lb. Etchant	\$5.25	\$4.75

COPY SHEETS



8-1/2" X 11" clear film suitable for LASER copier or printer to make artwork POSITIVES from magazines etc. Also can be used by directly taping, placing patterns or opaque inks to generate artwork. PACK of 5 Sheets

WT: .12

STOCK #	DESC.	1EA	5+EA
14875-DT	5pcs. Copy Film Sheets	\$4.49	\$3.75

PREMIER BOARD DEVELOPER

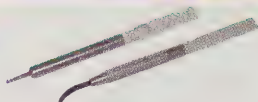


Concentrated developer (not etchant) for PREMIER Resist coated board material. Mix 10/1 with water. 10 oz. of mix will develop 10-22sq. ft. of board depending on art complexity.

WT: .2/6

STOCK #	DESC.	1EA	5+EA
14890-DT	2oz. Developer	\$7.95	\$7.49
14891-DT	4oz. Developer	\$13.95	\$13.49

BURNISHING TOOLS



A Quality stylus tool that will give you a better, easier job with dry transfer DIRECT ETCH patterns. For characters, lines & patterns. Back end has 3/8" felt burnisher Standard: patterns .08-.25
Spoon Tip: Patterns .25in. & larger

WT: .1

STOCK #	DESC.	1EA	5+EA
14873-DT	Standard Tool	\$4.95	\$3.95
14874-DT	Spoon Tip Tool	\$5.99	\$5.75

CONTACT EXPOSURE FRAME



For board material up to 9in. X 12in. Metal frame holds your artwork tight against the PC Board during exposure. Includes Metal frame, Glass Front cover, backing board & instructions.

STOCK #	DESC.	1EA	5+EA
14892-DT	ER-10 Exposure Frame	\$28.95	\$23.95

RESIST PENS

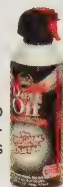


Lacquer based black resist ink can be used directly on bare copper boards to touch up breaks, add a trace etc. before etching. Can also be used on clear film artwork (Positives) to correct or add traces before exposing board.

WT: .04

STOCK #	DESC.	1EA	5+EA
14876-DT	Fine Point Pen	\$2.25	
14877-DT	Extra Fine Point Pen	\$2.45	

"DUST OFF" AEROSOL DUSTER



FALCON Dust-Off", 12oz. can of duster used to blow dust and dirt off equipment. Includes extension tube for hard to reach spots. Contains difluoroethane. Does not contain CFC's!
CANNOT BE SHIPPED AIR

WT: 1

STOCK #	DESC.	1EA	4+EA
16495-CE	DUST-OFF Duster	\$4.95	\$4.00

INSTRUMENT CASE



PACTEC CM59-135, Clamshell design ABS plastic instrument case. Internal posts for holding PC boards up to 8.6" X5.4". Black shells and endplates. Slightly contoured top & bottom. Includes 4 screws & 4 rubber feet.
D: 8.79" W: 5.57" H: 1.54" WT: .65

STOCK #	DESC.	1EA	10+EA
17695-BX	PAC-TEK CM59-135 Case	\$8.95	\$8.95

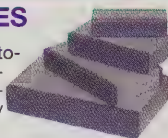
GRAY & BEIGE PLASTIC CABINETS



Beige clam shell plastic project boxes with gray end plates. Internal 1/4" high threaded standoffs on both halves for PC boards. Includes cover screws, NO PC board mtg. screws.
L: 7.7" W: 4.3" H: 3" WT: .66
L: 7.7" W: 4.3" H: 1.4" WT: .45

STOCK #	DESC.	1EA	10+EA
15519-BX	3" Thk. Two Tone Case	\$8.95	\$7.95
15884-BX	1.4" Thk. Two Tone Case	\$8.49	\$6.95

PLASTIC SNAP CASES



2 tone (Light Gray/Gray), snap together small case made from Hi-impact UL-94-HB ABS Plastic. Interlocking Top & Bottom held by snap-on Front & Back.

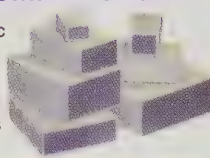
4 molded standoffs on 17547/48/49

6 molded standoffs on top & bottom 17550-BX

Stick-on Feet: 8.3mm dia Clear: Order 17551-HD (4pcs.) 6mm dia Black: Order 17552-HD

STOCK #	DIM. (W/D/H)in	WT.	1EA
17547-BX	4.13 x 1.61 x 0.99 Box	.08	\$2.95
17548-BX	5.12 x 2.99 x 1.18 Box	.17	\$3.75
17549-BX	6.10 x 3.62 x 1.61 Box	.27	\$3.95
17550-BX	7.87 x 4.76 x 1.57 Box	.5	\$4.95

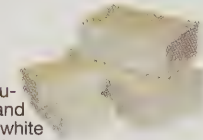
PLASTIC INSTRUMENT CASES



Clamshell design ABS plastic instrument case. Internal posts for holding PC boards. Light gray shells with Dark Gray endplates. Slightly contoured top & bottom. Includes 4 screws.

STOCK #	DIM. (W/L/H)in	WT.	1EA	10+EA
17195-BX	3.65 x 6.25 x 2.3	.4	\$7.95	\$6.95
17196-BX	6.12 x 7.1 x 2	.62	\$10.95	\$9.95
17197-BX	5.38 x 7.5 x 3.17	.69	\$11.95	\$10.95
17198-BX	7.9 x 11 x 3.15	1.26	\$17.95	\$14.95
17199-BX	3.5 x 2 x 1.3	.1	\$3.95	\$3.59
17200-BX	4.72 x 2.36 x 2	.24	\$5.95	\$4.95
17201-BX	5.9 x 3.15 x 2.4	.37	\$7.95	\$6.95
17202-BX	7.5 x 3.9 x 3.15	.66	\$11.95	\$9.95

CLAMSHELL CASES



Clamshell design plastic instrument case. Internal posts and slots for holding PC boards. Off white shells and end plates. Slightly contoured top & bottom. Square front face. O/D listed below
17800-BX: L: 7.5" W: 4.7" H: 2.4" WT: .51
17801-BX: L: 4.7" W: 3.2" H: 1.6" WT: .21
17802-BX: L: 5.9" W: 3.8" H: 2.1" WT: .4
17803-BX: L: 3.9" W: 2.75" H: 1.4" WT: .15

STOCK #	DESC.	1EA
17800-BX	7.5in. Clamshell Case	\$4.95
17801-BX	4.7in. Clamshell Case	\$3.49
17802-BX	5.9in. Clamshell Case	\$4.59
17803-BX	3.9in. Clamshell Case	\$3.39

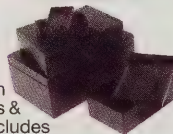
PLASTIC PROJECT CABINETS



Black plastic project boxes with flat lids. Internal guides on ends & sides for holding PC boards. Includes cover screws. Outside Dimn. Shown
15881-BX NO Internal Guides

STOCK #	DIM. (L/W/H)in	WT.	1EA	10+EA
15522-BX	3 x 2 x 1.16 Box	.07	\$1.95	\$1.59
15523-BX	4 x 3 x 1.6 Box	.13	\$2.49	\$1.95
15881-BX	4.41 x 2.24 x .87 Box	.08	\$1.95	\$1.59
15518-BX	5 x 2.5 x 1.75 Box	.17	\$2.95	\$2.49
15882-BX	5.9 x 3.9 x 2.36 Box	.27	\$3.49	\$2.95
15883-BX	7.25 x 4.5 x 2.52 Box	.50	\$5.49	\$4.49

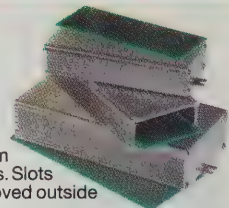
PLASTIC PROJECT CABINETS



Black plastic project boxes with deep lids. Internal guides on ends & sides for holding PC boards. Includes cover screws. Outside Dimn. Shown

STOCK #	DIM. (L/W/H)in	WT.	1EA	10+EA
15885-BX	3.74 x 1.89 x 1.46 Box	.11	\$2.95	\$2.49
15886-BX	4.53 x 2.46 x 1.73 Box	.15	\$3.49	\$2.95
15520-BX	5.3 x 3 x 1.9 Box	.14	\$3.95	\$3.49
15887-BX	6.3 x 3.74 x 2.44 Box	.33	\$3.95	\$2.95
15888-BX	7.6 x 4.53 x 2.95 Box	.43	\$7.95	\$6.49
15521-BX	8.8 x 5.5 x 3.6 Box	.75	\$7.95	\$7.25

EXTRUDED INST. CASES/ PERFOR BOARD

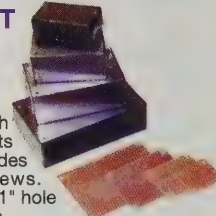


Extruded aluminum case with mounting flanges on end plates. Natural Aluminum finish on case and end plates. Slots for PC Board on inside. Grooved outside with smooth end plates.
Includes Double Sided FR-4 board with Plated Through .032 holes on .1" spacing.
Board For 17804 BX contains 20X57 Holes
Board For 17805 BX contains 24X67 Holes
Board For 17806 BX contains 32X77 Holes
I/D listed below

17804-BX: L: 6" W: 2.4" H: 0.9" WT: .6
17805-BX: L: 7" W: 2.75" H: 1.187" WT: .8
17806-BX: L: 8" W: 3.75" H: 1.62" WT: 1.13

STOCK #	DESC.	1EA
17804-BX	6in. Extruded Alum. Case/Board	\$9.95
17805-BX	7in. Extruded Alum. Case/Board	\$12.95
17806-BX	8in. Extruded Alum. Case/Board	\$14.95

PLASTIC PROJECT CABINETS & PERFOR BOARDS

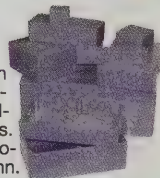


Black plastic project boxes with Aluminum lids. Internal posts for holding PC boards. Includes cover & perf board screws. Solderable Perf. Board has .1" hole grid pattern, copper one side. All Dimn. Approximate.

Large Box: L: 5-1/4" W: 3-1/4" D: 1-9/16" WT: .22
Large Perf. Board: L: 4-1/4" W: 3-1/8" T: 1/16" WT: .04
Med Box: L: 4-1/8" W: 2-5/8" D: 1-9/16" WT: .15
Med Perf. Board: L: 3-1/8" W: 2-1/2" T: 1/16" WT: .02
Small Box: L: 3-5/16" W: 2-1/8" D: 1-3/8" WT: .11
Small Perf. Board: L: 2-1/4" W: 1-7/8" T: 1/16" WT: .02
Mini Box: L: 2-11/16" W: 1-11/16" D: 1-3/16" WT: .08
Mini Perf. Board: L: 1-3/4" W: 1-1/2" T: 1/16" WT: .007

STOCK #	DESC.	1EA	10+EA
15911-BX	Large Project Box	\$4.95	\$3.25
15912-PB	Large Perf. Board	\$1.75	\$1.25
15913-BX	Medium Project Box	\$3.50	\$2.49
15914-PB	Medium Perf. Board	\$1.10	\$0.89
15915-BX	Small Project Box	\$2.75	\$1.85
16227-PB	Small Perf. Board	\$0.79	\$0.69
15917-BX	Mini Project Box	\$2.50	\$1.69
15918-PB	Mini Perf. Board	\$0.59	\$0.49

SEALED PROJECT BOXES



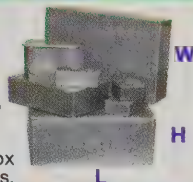
Gray ABS plastic project boxes with lids. Tongue & groove sealing meet IP-65 & NEMA 4 requirements. 4 stand-offs on base for holding PC boards. Includes stainless cover screws & neoprene gasket material. Outside Dimn. Shown.

17390, 391, 17400-17407 NO Internal Guides

STOCK #	DIM. (L/W/H)in	WT.	1EA
17390-BX	2.52 x 2.28 x 1.38 Box	.13	\$3.95
17391-BX	7.24 x 1.42 x 1.38 Box	.23	\$6.95
17392-BX	4.53 x 3.54 x 2.17 Box	.35	\$6.95
17393-BX	6.73 x 4.76 x 2.17 Box	.54	\$9.95
17394-BX	8.74 x 5.75 x 2.17 Box	.83	\$11.95
17395-BX	6.73 x 4.76 x 3.15 Box	.73	\$10.95
17396-BX	7.68 x 3.15 x 2.17 Box	.49	\$7.95
17397-BX	8.74 x 5.74 x 2.95 Box	.97	\$11.95
17398-BX	10.43 x 7.28 x 3.74 Box	1.5	\$19.95
17399-BX	2.05 x 1.97 x 1.38 Box	.09	\$3.95
17400-BX	3.23 x 3.15 x 2.17 Box	.27	\$5.95
17401-BX	6.3 x 3.15 x 3.35 Box	.53	\$8.95
17402-BX	7.87 x 4.72 x 2.95 Box	.8	\$11.95
17403-BX	4.72 x 4.72 x 3.54 Box	.6	\$9.95
17404-BX	6.3 x 6.3 x 3.54 Box	.85	\$12.95
17405-BX	9.45 x 6.3 x 4.72 Box	1.5	\$19.95
17406-BX	11.81 x 9.06 x 4.37 Box	2.4	\$32.95
17407-BX	14.17 x 7.87 x 5.91 Box	3.1	\$39.95

DIE CAST ALUMINUM BOXES

ADC12 Aluminum alloy, Cover & M3.5 Screws included, Natural Bare Aluminum Finish
AVAILABLE ON-LINE
Sealing Gasket to make box weather resistant to IP-66 Specs.



STOCK #	L"	W"	H"	WT.	1EA
16281-BX	2.36	2.17	1.18	.18	\$3.60
16282-BX	3.15	2.17	0.98	.2	\$3.90
16283-BX	3.50	1.37	1.18	.16	\$3.54
16284-BX	4.49	2.52	1.18	.28	\$5.34
16285-BX	4.49	2.52	2.17	.36	\$6.54
16286-BX	4.49	3.50	2.17	1.30	\$8.01
16287-BX	4.72	3.94	1.38	.56	\$7.77
16288-BX	5.51	3.94	2.95	.86	\$11.22
16289-BX	6.50	5.00	2.95	1.12	\$14.79
16290-BX	6.73	4.76	2.17	.96	\$13.41
16291-BX	6.73	4.76	4.17	1.40	\$16.62
16292-BX	8.74	5.75	2.17	1.44	\$17.91
16293-BX	8.74	5.75	4.17	1.94	\$24.27
16294-BX	9.84	9.84	3.94	3.50	\$44.88
16295-BX	10.83	6.89	2.56	2.08	\$26.91

BLACK/CLEAR FEET

Black rubber or Clear polyurethane stick-on feet.

Sold in strip of 4pcs.

BLACK Dia: 6mm (.236") H: 3mm (.118") WT: .002
CLEAR Dia: 8.3mm (.32") H: 2.6mm (.1") WT: .005

STOCK #	DESC.	1PK
17552-HD	Black Rubber Feet	\$0.49
17551-HD	Clear Rubber Feet	\$0.49

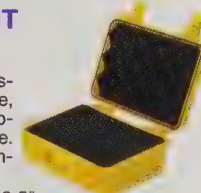
STORAGE/TRANSIT CASE

Molded Bright Yellow ABS plastic equipment case with handle, latches and hinges. Silicone rubber gasket for water resistance. Pressure relief screw. Foam insert in Top & Bottom.

Inside: L: 9.3" W: 6.2" HT: 3.5"
L: 10.23 W: 8" H: 4"

WT: 1.85

STOCK #	DESC.	1EA
17813-BX	Small Yellow Transit Case	\$17.95



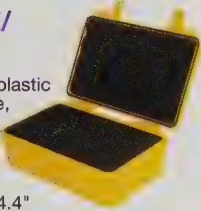
LARGER STORAGE/TRANSIT CASE

Molded Bright Yellow, ABS plastic equipment case with handle, latches and hinges. Silicone rubber gasket for water resistance. Pressure relief screw. Foam insert in Top & Bottom.

Inside: L: 12" W: 7.4" HT: 4.4"
L: 13" W: 8.25" H: 4.7"

WT: 3.1

STOCK #	DESC.	1EA
18351-BX	Medium Yellow Transit Case	\$29.95



RACK SCREWS

Pack of 10-32 Heat Treated Steel Phillips screws 3/4" long with nylon washers for mounting panels in racks

STOCK #	DESC.	WT.	1EA
17246-RK	50pk 10-32 Rack Screws	.3	\$4.95
17247-RK	100pk 10-32 Rack Screws	.6	\$8.95



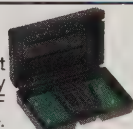
ESD BOX

USED Black Plastic ESD safe Transport box with hinge & latch. Internal Easily removed Stainless plate with a special ZIF socket. 5-1/8" X 2-7/8" X 1" internal space.

L: 5-3/4" W: 3-1/2" T: 1-1/2"

WT: .44

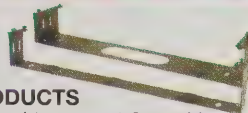
STOCK #	DESC.	1EA
18551-BX	ESD Safe Box	\$3.95



WALL PANEL BRACKETS

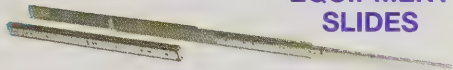
VIDEO MOUNT PRODUCTS

Hinged Wall brackets used to support & provide easy access to backs of 19" rack panels. Black, static resistant Powder Coated steel. Left or right side swing. 4" depth. Includes 10 & 12-32 Rack Mount Screws.



STOCK#	PICT.	VMP#	HT.	WT.	1EA
17243-RK	A	ER-HWB1	1U	1.5	\$16.95
17244-RK	B	ER-HWB2	2U	2.3	\$18.95

EQUIPMENT SLIDES

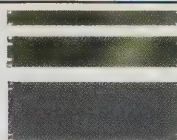


Accuride, 3 section, Zinc plated steel, ball bearing equipment/drawer slides. Front disconnect allows removal of chassis from cabinet. Side mounting. Side Space: 3/8". Closed Position: 20", Fully Extended: 42", Slide Travel: 22", Max Load: 100lbs/pair. Sold as pairs.

L: 20" H: 1-3/8" T: 3/4" WT: 5/pair

STOCK #	DESC.	1EA
17418-RK	Pair Equipment/Drawer Slides	\$24.95

STEEL 19" RACK PANELS

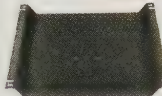


VIDEO MOUNT PRODUCTS

Cold rolled steel drilled & notched for standard rails, Black Powder coat finish

STOCK#	VMP #	HEIGHT	WT.	1EA
17237-RK	ER-1B	1U (1-3/4")	.7	\$4.95
17238-RK	ER-2B	2U (3-1/2")	1.3	\$7.95
17239-RK	ER-4B	4U (7")	2.7	\$13.95
17240-RK	ER-8B	8U (14")	5	\$19.95

LCD MONITOR RACK MOUNT



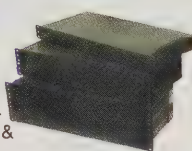
VIDEO MOUNT PRODUCTS

Rack mount or monitors with 75 & 100mm VESA mounting pattern. Recess mounts 10-17" monitors and can be inverted for up to 23" models, 50lbs. max weight. Black, static resistant Powder Coated steel. Mounting hardware included

STOCK#	VMP#	HT.	WT.	1EA
17245-RK	ER-LCD1017	9U	12	\$66.95

19" RACK MOUNT CABINETS

Black plastic rack mount clamshell cases. Vented sides with removable front & rear panels. Internal standoffs on top & bottom. Assembly required.



internal space:
17086-BX 16-3/16" X 7-11/16" X 1"
17087-BX 16-3/16" X 7-11/16" X 2-7/8"
17088-BX 16-3/16" X 7-11/16" X 4-1/2"
W: 19" D: 8"

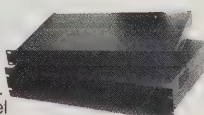
STOCK#	DESC.	WT.	1EA
17086-BX	1U Rack Cabinet	1.9	\$19.95
17087-BX	2U Rack Cabinet	2.5	\$29.95
17088-BX	3U Rack Cabinet	3.0	\$39.95

19" RACK CABINETS

19in. rack mount cases. 1/8in. Aluminum Front Panel with steel chassis & covers. Satin black textured paint.

17811-BX: W: 19" D: 11.8" H: 1-3/4" WT: 5.8
17812-BX: W: 19" D: 11.9" H: 3-1/2" WT: 7.2

STOCK#	DESC.	1EA
17811-BX	1U Metal Rack Cabinet	\$34.95
17812-BX	2U Metal Rack Cabinet	\$39.95



RELAY RACKS

VIDEO MOUNT PRODUCTS

All Aluminum
9ga. Rails Drilled & Tapped 10-32, EIA std. spacing, 5ga. "L" base plates. Available in: Black Powder Coat finish
Shipped unassembled with hardware



STOCK#	COLOR	VMP P/N	HEIGHT	WT.	1EA
17226-RK	Black	ER-72	72	28	\$159.95
17227-RK	Black	ER-84	84	28	\$172.95

19" HEADEND RACKS

VIDEO MOUNT PRODUCTS

13ga. Steel Rails Drilled & Tapped 10-32, EIA std. spacing, 16ga. Base, Black static resistant Powder Coat finish.
Shipped unassembled with hardware



STOCK#	COLOR	VMP P/N	HEIGHT	WT.	1EA
17228-RK	Black	ER-148	48	30	\$110.95
17229-RK	Black	ER-1	71	40	\$139.95
17230-RK	Black	ER-184	84	45	\$145.95

19" HEADEND EXPANSION RAILS

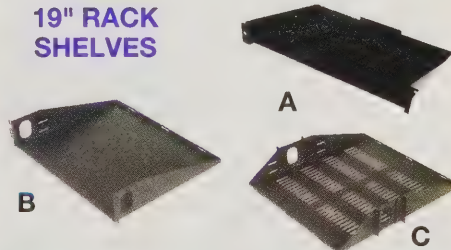
VIDEO MOUNT PRODUCTS

13ga. Steel Rails and side stabilizing bars to convert Headend rack to 4 posts. Black static resistant Powder Coat finish.
Shipped unassembled with hardware



STOCK#	COLOR	VMP P/N	HEIGHT	WT.	1EA
17231-RK	Black	ER-1-4PKIT	71	25	\$82.95
17232-RK	Black	ER-184-4PKIT	84	28	\$92.95

19" RACK SHELVES



VIDEO MOUNT PRODUCTS

Black Powder coat finished Steel. Drilled for standard rails. 50lb. MAX Load
17235 Center mount & Vented

STOCK#	PICT.	VMP#	DEPTH	WT.	1EA
17233-RK	A	ER-S1	12"	5	\$22.95
17234-RK	B	ER-S2U	14-3/4"	7.5	\$29.95
17235-RK	C	ER-S2CM	19	10	\$48.95

CABLE BRACKETS



VIDEO MOUNT PRODUCTS

Black, static resistant Powder Coated steel panels for 19" racks or wall brackets. Large slotted metal rings manage all types of cables. Includes 10 & 12-32 Rack Mount Screws.

STOCK#	VMP#	HT.	WT.	1EA
17241-RK	ER-DRCM1	1U	1.2	\$17.95
17242-RK	ER-DRCM2	2U	2	\$21.95



12V PANEL LAMPS

Panel lamps with Non replaceable bulb rated 12V. Tapered square top (.6"sq. X .5" tall). Solder terminals. Mounts in round hole

Mtg. Hole: .6" L: 1-1/2" WT: .016

STOCK #	DESC.	1EA	10+EA
7117-LA	Red Panel Lamp	\$0.95	\$0.89
7118-LA	Yellow Panel Lamp	\$0.95	\$0.89
7119-LA	Green Panel Lamp	\$0.95	\$0.89
14183-LA	Blue Panel Lamp	\$0.95	\$0.89
14184-LA	Clear Panel Lamp	\$0.95	\$0.89

12V G-4 BI-PIN LED LAMPS

Bi-pin bulb replacement assembly features: 14 super brite LEDs, 12VAC or DC operation, 55deg. beam angle. Replacement for most G-4 lamps. .9mm dia. X 8mm Steel Pins, plastic body.

Dia.: 22.5mm T: 11mm WT: .009

STOCK #	DESC.	1EA	10+EA
17352-OP	Red LED Bi-Pin Lamp	\$8.95	\$6.95
17353-OP	Green LED Bi-Pin Lamp	\$8.95	\$6.95
17354-OP	Amber LED Bi-Pin Lamp	\$8.95	\$6.95
17355-OP	Blue LED Bi-Pin Lamp	\$8.95	\$6.95
17356-OP	White LED Bi-Pin Lamp	\$8.95	\$6.95

LED12VDC PANEL INDICATORS

Panel mount LED indicators. Internal resistor for 3-12VDC operation. Internal LED matches lens color. Solder terminals Lens Dimm. shown, O/A size 2mm larger Mtg Hole: 8/10/12mm L: 1-3/8" WT: .005

Round

STOCK #	DESC.	1EA	10+EA
17301-LE	8mm Red Indicator	\$0.79	\$0.69
17302-LE	8mm Blue Indicator	\$0.79	\$0.69
17303-LE	8mm Green Indicator	\$0.79	\$0.69
17304-LE	8mm Amber Indicator	\$0.79	\$0.69
16961-LE	10mm Red Indicator	\$0.89	\$0.79
16962-LE	10mm Blue Indicator	\$0.89	\$0.79
16963-LE	10mm Green Indicator	\$0.89	\$0.79
16964-LE	10mm Amber Indicator	\$0.89	\$0.79
16981-LE	12mm Red Indicator	\$0.99	\$0.89
16982-LE	12mm Blue Indicator	\$0.99	\$0.89
16983-LE	12mm Green Indicator	\$0.99	\$0.89
16984-LE	12mm Amber Indicator	\$0.99	\$0.89

Square

STOCK #	DESC.	1EA	10+EA
17305-LE	8mm Sq. Red Indicator	\$0.79	\$0.69
17306-LE	8mm Sq. Blue Indicator	\$0.79	\$0.69
17307-LE	8mm Sq. Green Indicator	\$0.79	\$0.69
17308-LE	8mm Sq. Amber Indicator	\$0.79	\$0.69
16965-LE	10mm Sq. Red Indicator	\$0.89	\$0.79
16966-LE	10mm Sq. Blue Indicator	\$0.89	\$0.79
16967-LE	10mm Sq. Green Indicator	\$0.89	\$0.79
16968-LE	10mm Sq. Amber Indicator	\$0.89	\$0.79
16985-LE	12mm Sq. Red Indicator	\$0.99	\$0.89
16986-LE	12mm Sq. Blue Indicator	\$0.99	\$0.89
16987-LE	12mm Sq. Green Indicator	\$0.99	\$0.89
16988-LE	12mm Sq. Amber Indicator	\$0.99	\$0.89

Rectangular

STOCK #	DESC.	1EA	10+EA
17309-LE	8x11 Rect. Red Indicator	\$0.79	\$0.69
17310-LE	8x11 Rect. Blue Indicator	\$0.79	\$0.69
17311-LE	8x11 Rect. Green Indicator	\$0.79	\$0.69
17312-LE	8x11 Rect. Amber Indicator	\$0.79	\$0.69
16969-LE	10x14 Rect. Red Indicator	\$0.89	\$0.79
16970-LE	10x14 Rect. Blue Indicator	\$0.89	\$0.79
16971-LE	10x14 Rect. Green Indicator	\$0.89	\$0.79
16972-LE	10x14 Rect. Amber Indicator	\$0.89	\$0.79
16989-LE	12x16 Rect. Red Indicator	\$0.99	\$0.89
16990-LE	12x16 Rect. Blue Indicator	\$0.99	\$0.89
16991-LE	12x16 Rect. Green Indicator	\$0.99	\$0.89
16992-LE	12x16 Rect. Amber Indicator	\$0.99	\$0.89

FRONT SURFACE MIRROR

Because of their low distortion; front surface mirrors are used for laser scanners and other optical equipment. Made of 1/8" flat plate glass. May have some slight imperfections. REMOVE "PINK" PROTECTIVE COATING OVER FRONT SURFACE BEFORE USE

L: 4-1/2" W: 1-1/8" T: 1/8" WT: .55

STOCK #	DESC.	1EA	100+EA
15173-MI	Front Surface Mirror	\$1.50	\$0.99

GLASS PRISM

Equilateral optical quality clear glass prism. Ideal for classroom use, science projects optical experiments

L: 50mm W: 50mm H: 45mm WT: .4

STOCK #	DESC.	1EA	100+EA
17933-LN	Equilateral Glass Prism	\$7.95	

LASER POINTER

Stylish pen style LASER pointer contains visible red laser diode, lens & 2 AAA batteries in metal case. <4mW class III-A output power, Momentary push button switch for easy use. Visibility exceeds 300ft. when used with projection/display screens.

Dia: .45" L: 5.7" WT: .3

STOCK #	DESC.	1EA	5+EA
8689-LZ	LASER Pointer	\$12.95	\$11.95

NEON BULB

Standard Neon Lamp, Max. current:1mA; Min. Firing Voltage: 60VAC. 1" long Solid Wire Leads.

Dia: 5.7mm L: 12mm (Body) WT: .009

STOCK #	DESC.	1EA
18285-LA	Mini Neon Lamp	\$0.29

LIGHT FIXTURE & LAMP

Originally mfg. for use in signage & display cases. Surface mount fixture for PL-S2 Compact Fluorescent Lamps (Includes a 13W PL-S Compact Fluorescent Lamp), 10in. leads with molded 3 pin special connector for "Daisy Chaining" units. 120VAC 60Hz, .35A. UL listed L: 9-1/8" H: 2-3/4" W: 2-1/4" WT: 1.6

STOCK #	DESC.	1EA
18098-MI	120VAC Compact Fluorescent	\$8.95

12V LED AUTO LAMPS

1141Type keyed bayonet base lamp with 12 top aimed hi-intensity Red or Yellow LEDs (12 total). Rated 12VDC @ 100mA. Used for signal, parking etc lite. Single contact Base

L: 1-7/8" O/A Dia: 1" O/A WT: .04

STOCK #	DESC.	1EA
18752-TL	Red LED Auto Lamp	\$4.50
18753-TL	Yellow LED Auto Lamp	\$4.95

FRONT SURFACE MIRROR ASSEMBLY

Removed from new equipment. Assembly with 2 front surface mirrors that measure 6-1/4" X 1" X 3/16" thick. Steel frame with plastic hardware. Removeable mirrors held in place by spring clips & glue.

L: 8-3/4" O/A W: 2-1/2" O/A H: 2" O/A WT: .6

STOCK #	DESC.	1EA
17368-MI	Dual F/S Mirror Assembly	\$3.95

FRONT SURFACE MIRROR

Front surface mirror made by OCLI for laser photo printers or copiers. Minimum reflectivity greater than 85%, 10mm thick plate glass for durability.

NOTE: Shipped with protective Film on front surface, Remove before use.

L: 12-1/2" W: 1-15/16" T: 3/8" Shp WT: 1

STOCK #	DESC.	1EA
17156-MI	Front Surface Mirror	\$4.50

PAGE MAGNIFIER

Acrylic 3X Fresnel type magnifier for viewing full pages Great wide view of Maps, Drawings etc.

L: 11" W: 8-3/8" WT: .37

STOCK #	DESC.	1EA
17938-LN	Full Page Magnifier	\$3.95

12" NEON ACCENT LIGHT

Mini, green neon tube light originally made for computer cases but has many uses in accent & automotive lighting. 12.5" long plastic housing with hook & loop fasteners on each end. Includes a 3"X 1-1/2" X 1" power module, mini rocker switch on plate, interconnect wiring to a set of IDE power "Y" connectors for 12VDC/.32A power.

L: 12-1/2"(tube) WT: .45

STOCK #	DESC.	1EA
18946-MI	Neon Tube Light	\$9.95

TRAILER TAIL LIGHTS

12VDC LED Trailer light kit for trailers up to 80in. wide. 40 Super bright LEDs in Left side 35 in Right. Includes plastic License bracket for Left side. 23ft. split "Y" wires & 4ft. trunk harness. Includes Mounting hardware. Not recommended for immersion in water.

SQ: 4-1/2" D: 2" WT: 2

STOCK #	DESC.	1EA
17903-MI	Trailer Tail Lights	\$16.95

MINI LAMPS

Grain-of-Wheat" lamps, Only 1/8"dia X 1/4". 10" leads. Ideal for hobbyists! Use in model cars, boats, trains etc..

L: 1/4" Dia: 1/8" WT: .001

STOCK #	DESC.	1EA	10+EA
8980-LA	1.5V Mini Lamp	\$0.59	\$0.49
8981-LA	3.0V Mini Lamp	\$0.59	\$0.49
8982-LA	6.0V Mini Lamp	\$0.59	\$0.49
8983-LA	12V Mini Lamp	\$0.59	\$0.49

12V HIGH INTENSITY LIGHT

USED, Plastic case with a GE #789 or eq. 12V @ 1.2A bi-pin lamp, mirror/reflector, power switch, and compound lens. 5.5mm X 2.5mm Coaxial jack on back. Light dia.approx. 5" @ 12in. /10" @ 24in.

H: 4-3/4" W: 2-3/8" D: 2-7/8" WT: .6

STOCK #	DESC.	1EA	10+EA
16304-LA	12V Hi-Intensity Light	\$7.95	\$6.95

"DELI" COUNTER KIT

DO IT YOURSELF "Deli" Counter kit. Kit contains a 0-99 Up counter board/display assembly, power supply and a pushbutton Switch. Just about any momentary type contact will operate the counter.

You supply a case, solder and labor to solder the power supply & switch to the attached leads. 2-3/4" tall super brite Red LED make up the digits. Each contact closer causes counter to increase 1 count. There is no reset function, and unit will remember last count for a couple days so to get to "00" you must complete the count.

Display: W: 5"	H: 4-3/16"	WT: .5
Driver: W: 4-5/16"	H: 2"	
STOCK #	DESC.	1EA
17511-KT	"Deli" Counter Kit	\$10.95



IR ILLUMINATOR KIT

Small circuit board holds 36 I/R leds. Designed to provide "light" for CCD cameras. Depending on how you mount the LEDs, unit will project up to a 6ft spot at 10ft. Plug supply included.

DIA: 2"	T: 3/9"	WT: .4
STOCK #	DESC.	1EA
11665-OP	IR Illuminator Kit	\$15.95

"SWEET 16" DTMF DECODER KIT

This kit decodes all DTMF tones including 0-9, #, *, A-D. Can use any source for the DTMF tone, such as phone line, scanner, etc. You use a jumper to connect 1 of 16 outputs to drive the internal relay. When selected digit is detected the relay is energized. By adding additional external relays you can control up to 16 different devices. Relay is energized as long as tone is detected. By adding external flip-flops or relay circuits you obtain "toggle" or time out actions. Ideal building block for more complicated circuits. Turn on your AC unit from your office. Use your cell phone to activate an outside light. Internal relay is rated DPDT 1A max @ 12VDC/115VAC resistive; so if a heavy or high power load is expected you should use the internal relay to control a heavier external relay. Operates on 7.5-18VDC (9V battery) TT-16

L: 2-7/8"	W: 2-1/8"	H: 5/8"	WT: .15
STOCK #	DESC.	1EA	5-EA
8838-RB	DTMF Sweet-16 Kit	\$34.95	\$29.95

SUPER BIG-EAR AMPLIFIER KIT

Super sensitive amplifier kit can hear through walls etc. Couple to a parabolic reflector & earphones to hear for blocks. Based on the LM386 Chip Can be used as a general purpose 1.5W amp. Supplied with a mini-microphone. Runs on 6-12V DC. AA-1D

L: 1-3/4"	W: 1"	H: 3/8"	WT: .2
STOCK #	DESC.	1EA	5-EA
3378-RB	Big Ear Kit	\$10.95	\$9.95

SNAP TOGETHER ELECTRONIC FUNDAMENTALS PROJECT KITS

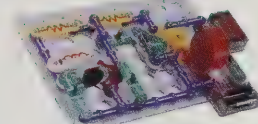
FUN & EDUCATIONAL

"Snapcircuits" For adults or children wanting to learn the fundamentals of electronics while doing basic, working projects. Parts simply "snap" together. Interlocking, stacking parts such as resistors, diodes, switches, motors, capacitors, interconnects on plastic pieces. Plastic base supports the parts. Build simple electronic "Doorbell", Siren, logic circuits etc. No knowledge of electronics is needed. Simple color drawings in workbook take you through the setup. Ideal for children science classes and demos. Additional/replacement parts available from Mfg. Requires 4 "AA" batteries (not supplied). NOT for children under 3, Recommended age 8+



KIT 14264-KT contains 30+ pieces and simple experiments 1-101

		WT: 2
STOCK #	DESC.	1EA
14264-KT	Snapcircuits Jr. Project Kit	\$29.95



KIT 14263 contains 60+ pieces, Including parts not available in 14264-KT, Experiments 1-101 & 102-305.

		WT: 3.3
STOCK #	DESC.	1EA
14263-MI	Snapcircuits Deluxe Project Kit	\$49.95

INFRARED ANALYZER KIT

Kit uses Motorola's MC3373 Remote control amp/detector. This kit allows you to display & analyze code patterns from any infrared device. Software allows you to save to disc, compare current display with one stored on disc, & print screen. 2 second sampling is displayed and you can "zoom" in on any 8 millisecond portion. The on screen trace can be saved in ASCII comma-delimited format for import into spreadsheets. Kit connects to your computer's parallel port and the software runs on any P.C. compatible 386 or later machine with VGA graphics & DOS 3.3 or higher. TIR-1

L: 2-7/8"	W: 1-1/2"	H: 3/4"	WT: .3
STOCK #	DESC.	1EA	5-EA
8837-RB	I/R Analyzer Kit	\$89.95	\$79.95

DUAL PROBE DIGITAL THERMOMETER KIT

Kit uses a 3-1/2 digit LCD Digital Panel Meter & a pair of National LM34 temperature sensors to construct an accurate thermometer with .1° resolution & +-1-1/2° accuracy from -20° to +199.9° F. The TO-92 size sensors can be remotely located. Uses flat 4 conductor "phone" type cable to connect sensors so their's no stiff cable or wires. Switch controls power & which sensor is read. Ideal for monitoring inside vs outside temperature, Photographic chem baths, equipment temperatures in cabinet. Requires 9V battery. LCD-T1

Mtr: L: 1-1/2"	W: 1-1/8"	H: 1/2"	WT: .17
Bx: L: 3"	W: 2-1/2"	H: 1-5/8"	WT: .13
STOCK #	DESC.	1EA	5-EA
8835-RB	Digital Thermo. Kit	\$34.95	\$29.95
8836-RB	Predrilled Plastic Box	\$9.95	\$8.95

ELECTRONIC TIMER KIT

Dual mode timer kit has many uses. Dual LM 555 timing circuits plus a relay driver (100mA Max. Current Sink). In the astable mode the circuit produces a continuous train of pulses; in the mono stable mode produces a triggered time delay useful for debouncing switches. Can be cascaded for compound applications. Operates from 4.5-12V DC. EBTD-9

L: 2-13/16"	W: 2-1/4"	H: 5/8"	WT: .15
STOCK #	DESC.	1EA	5-EA
16916-RB	555 Timer Kit	\$12.95	\$11.95

VOICE ACTIVATED SWITCH

Voice activated switch circuit. Will operate a 100mA load. Can be used to drive a light, a relay for higher loads, etc. Use for alarms, ham radios, etc. Operates from audio source or from crystal, ceramic or electret mike. Operates on 5-15V DC. VOX-1

L: 1-1/2"	W: 1-1/4"	H: 3/8"	WT: .2
STOCK #	DESC.	1EA	5-EA
3373-RB	VOX Switch Kit	\$6.95	\$5.95

BATTERY MONITOR KIT

Voltage monitor kit monitors voltages using 7 LEDs (2 red, 2 yellow, 3green). Change resistors to select voltage ranges and indicated steps: 5V or 8V in 1/4V steps or 12V in 1/4, 1/2 or 1V steps. All parts included. VM-1

L: 2-3/4"	W: 1-7/16"	H: 3/8"	WT: .2
STOCK #	DESC.	1EA	5-EA
4210-RB	Battery Monitor Kit	\$7.95	\$6.95

TEMPERATURE CONTROLLER KIT

Circuit output is open collector transistor that sinks up to 80mA to operate external relay (NOT SUPPLIED). Holds relay closed until temperature rises to adjustable set point. Range Approx. -20 to +300°F. 7.5-15V DC Operation. TG-2D

L: 2"	W: 1-5/16"	H: 1/2"	WT: .2
STOCK #	DESC.	1EA	5-EA
5289-RB	Tem. Control Kit	\$7.75	\$6.95

WATER DETECTOR KIT

555 Osc. circuit drives speaker (INCLUDED) to sound alarm when water level rises on remote sensor board and changes the conductivity between the 2 contacts. 6-12V DC Operation. Main Board .8" X .75" Sensor board 1.25" sq. WD2

		WT: .4	
STOCK #	DESC.	1EA	5+EA
5292-RB	Water Detector Kit	\$9.95	\$8.95

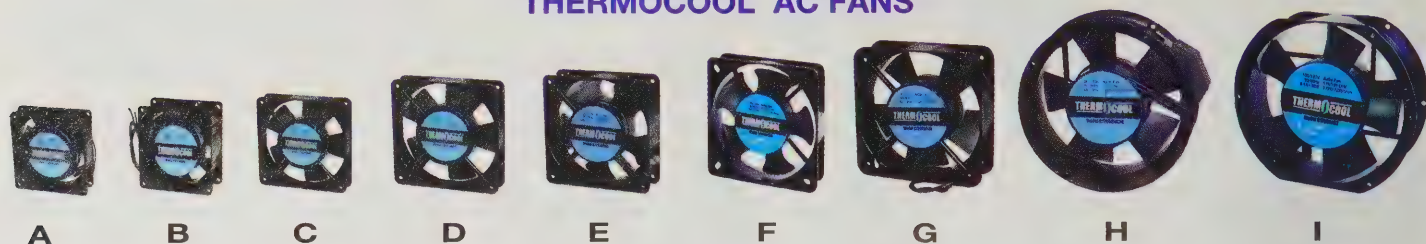
DC MOTOR & SPEED CONTROL

MFG: BUEHLER (motor)
P/N: 13.65.054.08
Voltage: 24VDC
Current: .07NL/.9A Stall
Board: 3-1/2" X 1-3/8". 18-24VDC
Power with 5V input to control direction. 1250-1650 speed range.
Motor: L: 2-1/4" Dia: 1-1/4" with 2.5mm dia. X 16mm steel shaft with a press fit 1/2" dia. 3 start plastic worm gear. Bronze bearings, 8" motor leads, 13" board leads. 2 mounting holes on motor. WT: .4

STOCK #	DESC.	1EA
18591-MD	Motor with Speed Control	\$7.95

NEW FANS

THERMOCOOL AC FANS



UL/TUV/CE RoHS Compliant

STOCK#	FIG.	MFG.	P/N	DIMN.	VOLTS/AMP	CFM	NOISE	BEARING	CONNECT	APPROVAL	WT	1EA	12+EA
17771-FN	A	THERMOCOOL	G8025HAS	3-1/8 SQ X 1	125AC/.13	23	30	SLV.	WIRE	ULc/TUV/CE	.6	\$9.95	\$8.95
17772-FN	B	THERMOCOOL	G8038HAS	3-1/8 SQ X 1-1/2	125AC/.14	28	33	SLV.	WIRE	ULc/TUV/CE	.6	\$14.95	\$12.95
17773-FN	C	THERMOCOOL	G9225HAS	3-5/8 SQ X 1	125AC/.14	34	40	SLV.	TERMINALS	ULc/TUV/CE	.5	\$9.95	\$8.95
17774-FN	D	THERMOCOOL	G12025HAS	4-11/16 SQ X 1	125AC/.20	66	42	SLV.	TERMINALS	ULc/TUV/CE	.75	\$9.95	\$8.95
17775-FN	E	THERMOCOOL	G12038HAS	4-11/16 SQ X 1-1/2	125AC/.28	95	48	SLV.	TERMINALS	ULc/TUV/CE	1.1	\$12.95	\$10.95
17776-FN	E	THERMOCOOL	G12038MAB	4-11/16 SQ X 1-1/2	125AC/.22	85	44	BALL	TERMINALS	ULc/TUV/CE	1	\$15.95	\$12.95
17777-FN	E	THERMOCOOL	G12038MAS	4-11/16 SQ X 1-1/2	125AC/.22	85	44	SLV.	TERMINALS	ULc/TUV/CE	1.1	\$11.95	\$9.95
17778-FN	F	THERMOCOOL	G13538HAS	5-5/16 SQ X 1-1/2	125AC/.34	122	53	SLV	WIRE	ULc/TUV/CE	1.2	\$14.95	\$12.95
17779-FN	G	THERMOCOOL	G15050HAS	6 SQ X 2	125AC/.40	198	58	SLV	WIRE	ULc/TUV/CE	1.9	\$22.95	\$19.95
17780-FN	H	THERMOCOOL	G17050HASB	6-3/4 RND X 2	125AC/.40	198	59	BALL	TERMINALS	ULc/TUV/CE	1.8	\$22.95	\$19.95
17781-FN	I	THERMOCOOL	G17050HAST	6-3/4 X 6 X 2	125AC/.40	198	59	BALL	TERMINALS	ULc/TUV/CE	1.9	\$22.95	\$19.95



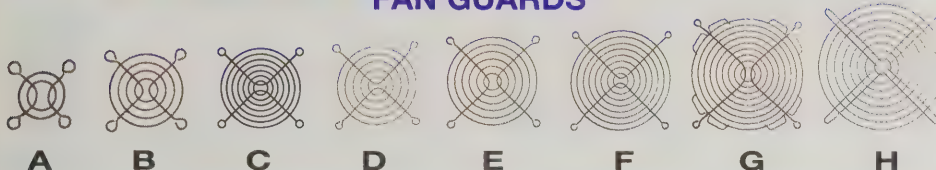
MISC. DC FANS

PICTURES ARE REPRESENTATIVE OF THE STYLE AND ARE NOT EXACT

VISIT WWW.MPJA.COM, ENTER STOCK # TO SEE ACTUAL PICTURE

STOCK#	FIG.	MFG.	P/N	DIMN.	VOLTS/AMP	CFM	NOISE	BEARING	CONNECT	APPROVAL	WT	1EA	12+EA
18043-FN	D	COMAIR	ST05B3	3-1/8" SQ X 1-1/4"	5DC/.58	34	41	HYD	9" LEADS	UL/CSA	.42	\$5.95	----
15357-FN	C	ADDA	ADD4050HB-G70	1-9/16" SQ X 3/8"	5DC/.19	6.7	25	BALL	11" LEADS	ULCAN/US/ TUV	.04	\$2.95	\$2.49
18488-FN	B	DELTA	1AFB0312MD	1-3/16" X 3/8"	12DC/.15	3.5	25	BALL	3" LEADS	UL/CSA/VDE/CE	.02	\$3.95	----
18489-FN	B	DELTA	1AFB0412MD	1-9/16" X 3/4"	12DC/.14	8.1	24.5	BALL	12" LEADS	UL/CSA/VDE/CE	.02	\$3.49	\$2.95
18841-FN	B	NMB	1606KL-04W-B50	1-9/16" X 5/8"	12DC/.11	8.1	34	BALL	12" LEADS	UL/CSA/VDE/CE	.05	\$2.95	\$2.49
12773-FN	A	T&T	MW-510H12C	2" SQ X 3/8"	12DC/.14	9	27	BALL	10" LEADS	UL/TUV/CE	.05	\$1.65	\$1.49
17526-FN	C	JAMICON	JF0625S1L	2-3/8" SQ X 1"	12DC/.17	17	28	SLV	4" LEADS	ULCAN/TUV	.13	\$2.95	\$2.50
18696-FN	B	COMAIR	FS12H3-31158	2-3/8" SQ X 1"	12DC/.06	12	28.5	BALL	2" LEADS	UL/CSA/TUV	.24	\$2.95	----
15841-FN	D	JAPAN SERVO	PUDC12Z4-042	3-1/8" X 1"	12DC/.16	42	37	BALL	14" LEADS	UL/CSA/TUV	.2	\$3.95	\$3.49
15717-FN	D	AROMAT	AIF80	3-1/8" SQ X 1"	12DC/.07	-	-	BALL	8" LEADS	UL/CSA	.23	\$2.95	\$2.49
18596-FN	D	DELTA	FFB0812VHE	3-1/8" SQ X 1-1/2"	12DC/.57	57	45	BALL	9" LEADS	UL/CSA/VDE	.4	\$3.95	----
16724-FN	D	COOLTRON	FD8025S12W3-17	3-1/8" SQ X 1"	12DC/.083	25.6	22	SLV	10" LEADS	ULCAN/US/ TUV	.15	\$1.49	----
18223-FN	D	JAPAN SERVO	PUDC12Z7RP	3-1/8" SQ X 1"	12DC/.16	42	35	BALL	10" LEADS	UL/CSA/TUV	.2	\$3.95	----
18049-FN	D	PANASONIC	FBA09A12H	3-5/8" SQ X 1"	12DC/.29	57	35	HYD	9" LEADS	UL/CSA	.22	\$5.95	----
18088-FN	D	DELTA	FFB0912VHE-R00	3-5/8" SQ X 1-1/2"	12DC/.75	85	47.5	BALL	11" LEADS	UL/CSA/VDE/CE	.42	\$3.95	----
16543-FN	D	AVC	C9025S12H	3-5/8" SQ X 1"	12DC/.3	52	34	SLV	6" LEADS	UL/CSA/TUV/CE	.16	\$3.95	\$3.50
18222-FN	G	JAPAN SERVO	CNDC12Z7RP	4-11/16" SQ X 1-1/2"	12DC/.71	124	49	BALL	10" LEADS	UL/CSA/TUV	.6	\$4.95	\$3.95 (40)
18221-FN	G	JAPAN SERVO	PADC12X7P	6-3/4" RND. X 2"	12DC/1.9	250	59	BALL	10" LEADS	ULCAN/US/ TUV	1.6	\$19.95	\$17.95
18016-FN	J	DELTA	BBF1224HE	4-11/16" SQ X 1-3/8"	24DC/.5	23	46	BALL	9" LEADS	UL/CSA/VDE/CE	1	\$4.95	----
17194-FN	C	SANYO	109P0624HE7K3	2-3/8" SQ X 5/8"	24DC/.06	13.5/6.8	-	BALL	4" LEADS	-	.13	\$3.95	\$3.75
18593-FN	C	JAPAN SERVO	PUDC24H4R	3-1/8" SQ X 1"	24DC/.16	47	40	BALL	9" LEADS	UL/CSA/TUV	.2	\$3.95	----
18845-FN	C	NIDEC	TA350DC-M33423-68	3-5/8" SQ X 1"	24DC/.19	148	34.8	BALL	10" LEADS	UL	.22	\$3.95	----
15718-FN	J	JAPAN SERVO	CBDC24K4-601	5" SQ X 1"	24DC/.55	30	-	BALL	5" LEADS	-	.66	\$4.95	\$4.49(5)
18592-FN	J	JAPAN SERVO	SCBDC24K7	5" SQ X 1-1/2"	24DC/.042	34	51	BALL	5" LEADS	UL/CSA	.64	\$4.95	----

FAN GUARDS



PICTURES ARE REPRESENTATIVE OF THE STYLE AND MAY NOT BE EXACT

STOCK #	FIG.	FAN SIZE	STYLE	MOUNTING	MAT.	FINISH	WT.	1EA	10+EA
18383-FN	A	1-9/16"/40MM	OFFSET	4 CORNERS	STEEL	CHROME	.01	\$0.99	\$0.89
18384-FN	B	2-3/8"/60MM	OFFSET	4 CORNERS	STEEL	CHROME	.03	\$0.99	\$0.89
8660-FN	C	2-3/8"/60MM	OFFSET	4 CORNERS	STEEL	BLACK	.03	\$1.25	\$0.99
18386-FN	D	3-1/8"/80MM	OFFSET	4 CORNERS	STEEL	CHROME	.04	\$1.25	\$0.99
18387-FN	E	3-5/8"/90MM	OFFSET	4 CORNERS	STEEL	CHROME	.05	\$1.25	\$0.99
18388-FN	F	4-11/16"/120MM	OFFSET	4 CORNERS	STEEL	CHROME	.08	\$1.39	\$1.25
17815-FN	G	5"/127MM	OFFSET	4 CORNERS	STEEL	CHROME	.13	\$1.29	\$0.99
18390-FN	H	6-3/4"/172MM	OFFSET	4 CORNERS	STEEL	CHROME	.1	\$1.50	\$1.29

4-11/16" 12V COMPAQ SERVER FAN

MFG: NIDEC FOR COMPAQ
MODEL: TA450DC
P/N: C33211-71A
Compaq: 122394-006
Volts: 12VDC
Current: .49A
CFM: NA

Replacement fan used in Proliant 3000 servers. Plastic blades & housing. Thermistor controlled Variable speed fan with stall sensor out. UL/CSA/CE listed. 15" leads with 5 pin Compaq connector.
Sq: 4-11/16" T: 1-1/2" WT: .7

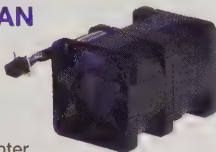


STOCK #	DESC.	1EA
16718-FN	4-11/16" Compaq Fan	\$4.95

12VDC SERVER FAN

MFG: SUNON
P/N: PMD1204PPBX-A
Volts: 12VDC
Current: 1.23A
CFM: 26.7

1-U Server fan with dual counter rotating plastic blades in single plastic housing. 66.6dB noise. Ball bearings. Each motor has separate 3" leads. UL/canada/usa/TUV/CE listed. NO INFOAVAIL.
Sq: 1-9/16" L: 2-3/16" WT: .19

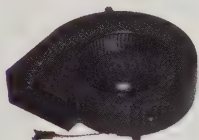


STOCK #	DESC.	1EA
18476-FN	12V Sunon Server Fan	\$4.95

24VDC BLOWER

MFG: JAPAN SERVO
P/N: E1540H24BYAZ-10
Input: 24VDC
Current: 1A
CFM: NA

Ball bearing blower With Plastic body & blades. 50+ db Noise, 3260RPM, 3.58"dia. intake, 1.32" X 1.34 Outlet, 2 in. leads to 2 Pin male header connector. UL/CSA/TUV Listed.
L: 6" W: 5-7/8" T: 1-9/16" WT: .9

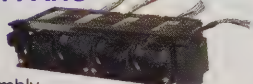


STOCK #	DESC.	1EA
18207-FN	24VDC 1A Blower/Baffle	\$4.95

12VDC SERVER FANS

MFG: AVC for H/P
P/N: DB0404812U
Volts: 12 VDC
Current: 1.14A/subassembly
CFM: 25+subassembly

Server fan unit has 4 removable dual 1-9/16" (40mm) 12V fan subassemblies. Each subassembly consists of a 3 blade fan mechanically mounted in series with a 5 blade fan and cannot be separated. Both sets of fan leads brought out to a connector (NO Mate available). 2" leads. All fans have stall sensor output. UL/CSA/TUV/CE listed
L: 7-3/4" H: 1-9/16" (40mm) D: 3-1/8" WT: .83



STOCK #	DESC.	1EA
15839-FN	Server 12V Fan Assembly	\$9.95

12VDC TURBO FAN

MFG: DELTA
P/N: GFB0412SHE-FOO
Volts: 12VDC
Current: .68A
CFM: 22.25

1-U Server fan with dual counter rotating plastic blades in single plastic housing. 57db noise. Ball bearings. Each motor has separate 3" leads. Tach. output for each. UL/CSA/VDE/CE listed.
L: 1-31/32" W: 2" H: 1-9/16" WT: .11

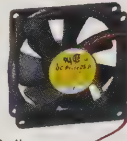


STOCK #	DESC.	1EA
18470-FN	12V Delta Server Fan	\$3.95

12VDC 3-1/8" FAN

MFG: JAPAN SERVO
P/N: DC PIXIE25 (PUDC12Z4-042)
Volts: 12 VDC
Current: 160mA
CFM: 42

Plastic blades & housing. 37db noise. Ball bearing. UL/CSA/TUV listed. 14" leads.
Sq: 3-1/8" T: 1" WT: .2

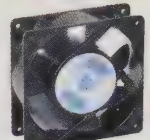


STOCK #	DESC.	1EA	12+EA
15841-FN	12V Pixie 3-1/8" Fan	\$3.95	\$3.49

4-11/16" 230VAC FAN

MFG: COMAIR/ROTRON
P/N: GAA1238-230BB
Volts: 230VAC
Current: .2A
CFM: 111

Plastic blades with metal housing. 44dB noise. Ball bearings. Solder/Fan Plug. UL/canada/usa/TUV/CE listed.
Sq: 4-11/16" T: 1-1/2" WT: 1.2

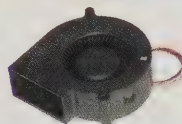


STOCK #	DESC.	1EA
18834-FN	230VAC Comair Fan	\$12.95

12VDC BLOWER

MFG: JAPAN SERVO
P/N: FBDC12H7P-949
Volts: 12VDC
Current: .68A
CFM: 23

Ball bearing blower With Plastic body & blades. 56 db Noise, 2 pulse/RPM Tach output. 2.12"dia. intake, 2.12" X 1.1 Outlet. 12 in. leads. UL/CSA/TUV Listed.
L: 3-3/4" W: 3-5/8" T: 1-5/16" WT: .32

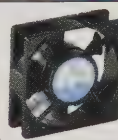


STOCK #	DESC.	1EA
18224-FN	12VDC Japan Servo Blower	\$4.95

5in. AC FAN

MFG: ORION
P/N: OA119AP-11-1TB
Voltage: 120VAC 50/60
Current: 120mA
CFM: 130

Plastic blades, metal housing. 46db noise, Ball bearing. UL listed. Fan plug/solder terminals
L: 5" W: 5" T: 1-9/16" WT: 1.4

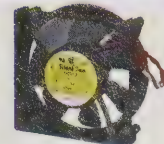


STOCK #	DESC.	1EA
18767-FN	Orion 5in Sq. AC Fan	\$12.95

12VDC FAN

MFG: JAPAN SERVO
P/N: SCNDM12B4
Volts: 12VDC
Current: .5A
CFM: 106

Unique Square/Round fan. Square side is same size & mounting as a Std. 4.7" (120mm) fan, Other side is 5" (128mm) Dia. Plastic blades & housing. 40dB noise. Ball bearing. 9" leads. UL/CSA/TUV listed.
Sq: 4-11/16"/5" Dia. T: 1-1/2 WT: .6



STOCK #	DESC.	1EA
18015-FN	12VDC Japan Servo Fan	\$5.95

12VDC 3-1/8" FAN

MFG: AVANT-GARDE
P/N: AV-825H12S
Volts: 12VDC
Current: .14A
CFM: 34

USED. Plastic blades & housing. 31dB noise. Ball bearings. 9" leads.
Sq: 3-1/8" T: 1" WT: .24

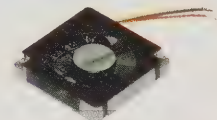


STOCK #	DESC.	1EA
18720-FN	12V AV 3-1/8" Used Fan	\$1.49

LAPTOP FAN

MFG: SUNON
P/N: GB0545AFV1-8
Volts: 5VDC
Current: .07A
CFM: 2.2

Laptop mini blower with plastic impeller & metal housing. Tach. output lead (4Pulse/revolution) 29 db noise. Vapo bearing. 1.5" " leads. UL/canada/usa/TUV listed.
Sq: 1-3/4 (45mm)" T: 3/8" (9mm) WT: .05

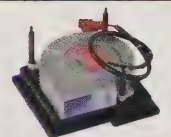


STOCK #	DESC.	1EA	12+EA
17866-FN	Sunon Laptop Blower	\$4.95	\$3.95

115VAC BLOWER

MFG: JAPAN SERVO
P/N: CB2B4-608
Voltage: 115VAC 60Hz
Current: 210mA
CFM: 25

New, but pre-assembled with removable plastic filter housing & steel standoffs. Metal shell with Plastic blades. 55 db noise, Ball bearing. Outlet: 2-1/2" X 1". CSA listed. 10" leads.
L: 6" W: 5-5/8" T: 3-5/8" WT: 1.7



STOCK #	DESC.	1EA
18961-FN	JapanServo 115VAC Blower	\$12.95

24" STRAIGHT FAN CORD

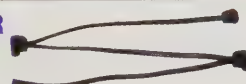
ZIP Fan cord designed to plug onto most fans with .100in quick connect/solder terminals. Straight molded fan plug on one end.
L: 24" WT: .04



STOCK #	DESC.	1EA
18833-FN	24" Straight Fan cord	\$1.49

FAN CORD FOR 3 FANS

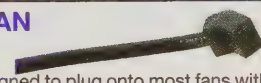
18/2 ZIP Fan cord designed to plug onto most fans with .100in quick connect/solder terminals. Three 90 deg. angled molded fan plugs separated by 7-1/2 in. of cord. 8in. of pig tail to 1st. fan.
L: 24" WT: .06



STOCK #	DESC.	1EA
18057-FN	24" 90 Deg. 3X Fan cord	\$2.95

12" ANGLED FAN CORD

18/2 ZIP Fan cord designed to plug onto most fans with .100in quick connect/solder terminals. 45 Deg. angled molded fan plug on one end.
L: 12" WT: .03



STOCK #	DESC.	1EA	12+EA
17180-FN	12" 45Deg. Fan cord	\$0.89	\$0.79

12V LIGHTED SAFETY SWITCH

SPST, Auto type full toggle with Red LED illuminated toggle handle. Cover must be opened to activate switch. Closing cover forces switch to original position (OFF). This switch has 3 terminals:
+12 for contact
Ground for LED
Contact for Load & LED.
Terminals: .25" Quick connect.
Rated: 25A @ 12VDC
Mounts in 1/2" hole.

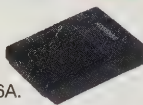


WT: .08

STOCK #	DESC.	1EA
18496-SW	12V Lighted Safety Switch	\$2.95

FOOT SWITCH

Plastic case, General use foot switch UL/usa/canada listed Switch.
Contacts: SPST-NO 125/250VAC @ 6A.
Actuation pressure: Approx. 3 lbs.
Cord Not Included



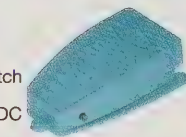
L: 4-1/8" W: 2-7/8" H: 1" WT: .23

STOCK #	DESC.	1EA
18151-SW	General Use Foot Switch	\$6.95

FOOT SWITCH

Metal case, Medium duty foot switch for industrial use.

Contacts: SPDT 380VAC/220VDC @ 5A.
Actuation pressure: Approx. 4lbs.
Cord Not Included



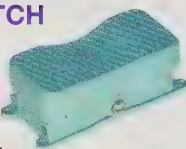
L: 5-1/4" W: 2-5/8" H: 1-5/8" WT: .34

STOCK #	DESC.	1EA
18152-SW	Medium Foot Switch	\$7.95

ROCKER FOOT SWITCH

Metal case, Rocker action Heavy duty foot switch for industrial use. Momentary in either direction, spring return to center OFF.

Contacts: DPDT Mom-Off-Mom 380VAC/220VDC @ 5A
Actuation pressure: Approx. 2.5lbs. either side
Cord Not Included



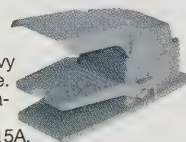
L: 5-5/8" W: 2-3/4" H: 2" WT: .7

STOCK #	DESC.	1EA
18153-SW	Rocker Foot Switch	\$13.95

FOOT SWITCH

Metal case, top protected Heavy duty foot switch for industrial use. Pedal protected from dropped material. UL/CSA Listed Switch.

Contacts: SPDT 125/180VAC @ 15A.
1/4hp @ 250VAC
Actuation pressure: Approx. 4lbs.
Cord Not Included

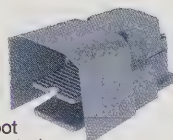


L: 7-3/4" W: 3-7/8" H: 5" WT: 1.6

STOCK #	DESC.	1EA
18154-SW	Protected Foot Switch	\$19.95

SAFETY FOOT SWITCH

Metal case, enclosed Heavy duty foot switch for industrial use. Pedal protected on 3 sides. UL/CSA/TUV/CE Listed Switch.
[Contacts:] SPDT 125/480VAC @ 15A.
1/4hp @ 250VAC
[Actuation pressure:] Approx. 4lbs.
Cord Not Included



L: 8-1/8" W: 5-7/8" H: 4-7/8" WT: 2.4

STOCK #	DESC.	1EA
18155-SW	Safety Foot Switch	\$24.95

12V LIGHTED TOGGLE SWITCHES

SPST, 12VDC lighted standard sized toggle switches. Mounts in a 1/2in. hole with .25 Quick Connect terminals. Rated 10 Amps @ 12VDC. Lamp is internally connected between the load contact (ACC) and "+" terminal. Switch contact between "ACC" and "Ground" terminal
Terminal "+" = +12V in (Lamp)
Terminal "ACC" = Load
Terminal "Gnd" = - 12V (common)



H: 2-1/2" O/A L: 1" W: 11/16" WT: .02

STOCK #	DESC.	1EA	10+EA
7125-SW	Red Lighted Toggle	\$1.95	\$1.54
7126-SW	Yellow Lighted Toggle	\$1.95	\$1.54
7127-SW	Green Lighted Toggle	\$1.95	\$1.54

12V BATTERY SWITCH

AMP Rating listed are NON-SWITCHING
SPST-NO Heavy Duty 12VDC battery cut-off switch with removable actuator "key" for security & safety.

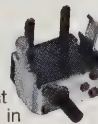


WT: .3

STOCK #	DESC.	AMP	1EA	5+EA
8373-SW	Battery Switch	500	\$12.95	\$11.75
17285-SW	Battery Switch	100	\$10.95	\$10.25

SPST PUSH BUTTON SWITCH

MEC, SPST-NO super small PC board mount switch used as a Limit or sense switches in VCRs, Tape players, etc. 1/8" black plastic push button. Rated: < 10gm activation force, .2VA @ 24V DC.

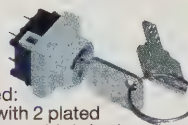


L: 5/16" W: 3/8" T: 1/8" WT: .001

STOCK #	DESC.	1EA	5+EA
15567-SW	MEC P/B Switch	\$0.25	\$0.20

MINI KEY SWITCH

MFG: SIEMENS
PN: V42266-C4499-A162
Mini SPST Key Switch Rated:
.1VA @ 125VAC. 6 Dimple lock with 2 plated brass keys. 90deg. Index, key removable in both positions. ALL KEYED ALIKE. P.C Board mounting. Includes 2 keys. Key removable in both positions.
SQ: 19mm HT: 19mm (Ex Pins)

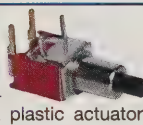


WT: .04

STOCK #	DESC.	1EA
18071-SW	Mini Key Switch	\$3.95

MICRO RIGHT ANGLE PUSH BUTTON SWITCH

Right angle PC mount, SPDT-NO micro push button switch with black plastic actuator. Contacts rated .4VA.

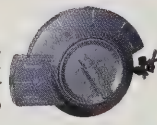


Mounting: P.C. Board WT: .001

STOCK #	DESC.	1EA	25+EA
12505-SW	Rt. Ang. P/B Switch	\$0.75	\$0.69

OPTICAL SWITCH

3 way bi-directional optical switch with 3.5mm optical in/outputs. Select from 3 different audio sources, or receivers. Includes TOSLINK to 3.5mm optical adapters.



WT: .23

STOCK #	DESC.	1EA
15189-FO	Fiber Optic Switch	\$4.99

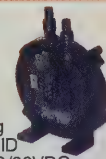
scan with your smart phone



www.meterwarehouse.com

VACUUM SWITCH

MFG: GOLDTECH
P/N: PS100-A1310-A002
Range: Fixed, .07Pa/.0025PSI Decreasing
Ports: 1 High/1Low: Barbed for 1/4" or 3/8" ID
Switch: SPDT125VA/120VAC; 3A 120VAC/30VDC
Specifications/Features: Vertical mount vacuum switch for sensing pressure drops across fans, vents, filters, dampers etc. Max pressure: 6Kpa (8.5 PSI). .25" quick connect terminals. Silicone diaphragm, PPO Housing. UL/canada/us Listed



H: 3-7/8" W: 3-1/8" T: 2" WT: .17

STOCK #	DESC.	1EA
18257-SW	Vacuum Switch	\$8.95

MINI PRESSURE SWITCH

MFG: MICRO PNEUMATIC LOGIC
P/N: 601-G-300mmHg
PRESSURE: 300mmHg/5.8PSI Gage
CONTACT RATING: 10A/.3Hp@125/250VAC
ACTION: SPDT
Plastic body, 5/32" Barbed hose port parallel to switch, pressure only. Burst Rating: 50psi. .187" quick connect switch terminals.



L: 1-3/4" O/A W: 1-1/2" H: 1-1/8" WT: .04

STOCK #	DESC.	1EA	10+
18484-SW	MPL Pressure Switch	\$4.95	\$3.95

LARGE P/B GAME SWITCHES

Lighted, large plastic body, panel mount SPDT push button switches. Mount in a 15/16" hole. 1/4" quick connect terminals. Switch Contacts: 5A @ 250 VAC. Replaceable wedge base Lamp: rated 12V @ 3W,

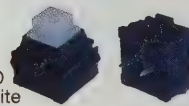


L: 2-1/2" WT: .065

STOCK #	DESC.	1EA	20+EA
17051-SW	Green Game Switch	\$2.95	\$2.49
17052-SW	White Game Switch	\$2.95	\$2.49
17053-SW	Yellow Game Switch	\$2.95	\$2.49
17054-SW	Red Game Switch	\$2.95	\$2.49

SPST PUSH BUTTON SWITCH

Keyboard/Keypad, SPST-NO push button switch with white .25in. Sq. plastic actuator. PC terminals, can be face plate mounted in .578in. Sq. hole. Contacts rated .1VA.

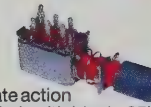


H: 11/16" Body W: 5/8" L: 43/64" Mounting: P.C. Board /Face Plate WT: .005

STOCK #	DESC.	1EA	100+EA
18018-SW	Keypad P/B Switch	\$0.29	\$0.25

DPDT PUSH BUTTON SWITCH

Right angle PC mount, DPDT Alternate action (Push On/Push Off) push button switch with black .25in. Dia. plastic actuator. Contacts rated .4VA. Pin Spacing: .125" Row Spacing .087"



Mounting: P.C. Board L: 1-1/8" O/A WT: .005

STOCK #	DESC.	1EA	100+EA
18017-SW	Rt. Ang. P/B Switch	\$0.29	\$0.25

FOOT SWITCH

FATAR PS-100 SPST-NO foot switch used with musical keyboards etc. Low current/Voltage "Sustain Pedal" Designed for Casio, Fatar Studios, Korg, & Ensonic etc. Hard plastic with rubber overcoat 6ft. cord with 1/4in. mono Phone plug on end.



W: 3-1/2" H: 1-1/2" D: 4" WT: .6

STOCK #	DESC.	1EA
18029-SW	"Sustain" Switch	\$14.95

UL MINI TOGGLE SWITCH

UL Listed Mini toggle switch, Mounts in a 1/4" hole with Solder tabs. Rated 5 Amps @ 125VAC.

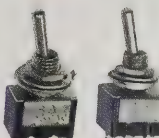


WT: .02

STOCK #	STYLE	DESC.	1EA	100+EA
5005-SW	SPST	On-None-Off	\$0.75	\$0.66
5006-SW	SPDT	On-None-On	\$0.35	\$0.27
16071-SW	SPDT	On-None-(Mom)	\$0.58	\$0.44
5010-SW	SPDT	On-Off-On	\$0.38	\$0.29
5009-SW	SPDT	(Mom)-Off-(Mom)	\$0.58	\$0.44
16072-SW	SPDT	On-Off-(Mom)	\$0.58	\$0.44
5011-SW	DPDT	On-None-On	\$0.41	\$0.30
16073-SW	DPDT	On-None-(Mom)	\$0.69	\$0.52
5014-SW	DPDT	On-Off-On	\$0.46	\$0.35
16074-SW	DPDT	On-Off-(Mom)	\$0.69	\$0.52
5016-SW	DPDT	(Mom)-Off-(Mom)	\$0.69	\$0.52

MINI TOGGLE SWITCH

Mini toggle switch, Mounts in a 1/4" hole with Solder tabs. Rated 5 Amps @ 125VAC.



WT: .02

STOCK #	STYLE	DESC.	1EA	100+EA
16075-SW	3PDT	On-None-On	\$0.74	\$0.55
16076-SW	3PDT	On-Off-On	\$0.88	\$0.66
16077-SW	4PDT	On-None-On	\$1.42	\$1.07
16078-SW	4PDT	On-Off-On	\$1.75	\$1.31

UL SUB-MINI TOGGLE SWITCH

UL Listed Sub-Mini toggle switch, Mounts in a 1/8" hole with Solder tabs. Rated 1 Amp @ 250VAC.

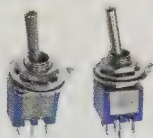


WT: .02

STOCK #	STYLE	DESC.	1EA	200+EA
16110-SW	SPST	On-Off	\$0.45	\$0.35
16111-SW	SPDT	On-None-On	\$0.49	\$0.39
16112-SW	SPDT	On-Off-On	\$0.59	\$0.49

SUB-MINI TOGGLE SWITCH

Sub-Mini toggle switch, Mounts in a 1/8" hole with Solder tabs. Rated 1 Amps @ 250VAC. TUV Listed



WT: .02

STOCK #	STYLE	DESC.	1EA	100+EA
18398-SW	SPST	On-Off	\$0.75	\$0.60
18677-SW	SPDT	On-None-On	\$0.43	\$0.32
18725-SW	SPDT	On-Off-On	\$0.54	\$0.40
18175-SW	DPDT	On-Off	\$0.75	\$0.60
18676-SW	DPDT	On-Off-On	\$0.72	\$0.54

MINI TOGGLE WATERPROOF BOOT

Molded rubber toggle boot with molded in nut & "O" ring panel seal for mini toggle switches.

WILL NOT FIT 5016 Switches.

Thread: M6X0.75

WT: .005

STOCK #	DESC.	1EA	10EA
16311-SW	Mini Toggle Boot	\$1.95	\$1.75

LARGE PUSHBUTTON SWITCH

SPST-Normally open, Full size, metal body, Pushbutton switch, Mounts in a 3/4" hole. Rated 2A @ 250VAC/4A @ 125VAC. Screw Terminals.

Dia: 7/8" Mtg.: 3/4" hole

WT: .05

STOCK #	DESC.	1EA	10+EA
16093-SW	Push Button Switch	\$2.02	\$1.77

FULL SIZE 15A TOGGLE SWITCH

Standard toggle switches, Mounts in a 1/2" hole. Rated: 10 Amps @ 250VAC. 15A @ 125VAC. Screw terminals.



WT: .03

STOCK #	STYLE	DESC.	1EA	100+EA
16081-SW	SPDT	On-None-On	\$0.88	\$0.66
16082-SW	SPDT	On-Off-On	\$0.95	\$0.71
16083-SW	SPDT	On-None-(Mom)	\$1.05	\$0.79
16084-SW	SPDT	On-Off-(Mom)	\$1.05	\$0.79
16085-SW	SPDT	(Mom)-Off-(Mom)	\$1.05	\$0.79
16086-SW	DPDT	On-None-On	\$1.24	\$0.93
16087-SW	DPDT	On-Off-On	\$1.24	\$0.93
16088-SW	DPDT	On-None-(Mom)	\$1.49	\$1.12
16089-SW	DPDT	On-Off-(Mom)	\$1.49	\$1.12
16090-SW	DPDT	(Mom)-Off-(Mom)	\$1.49	\$1.12

FULL SIZE 15A TOGGLE SWITCH

.25" Quick Connect terminals.

Standard toggle switches, Mounts in a 15/32" hole. Rated: 10 Amps @ 250VAC. 15A @ 125VAC.



WT: .03

STOCK #	STYLE	DESC.	1EA
18371-SW	SPDT	On-None-On	\$1.95
18372-SW	SPDT	(Mom)-Off-(Mom)	\$1.95
18373-SW	DPDT	On-None-On	\$1.95
18374-SW	DPDT	On-Off-On	\$1.95
18375-SW	DPDT	(Mom)-Off-(Mom)	\$1.95

HEAVY DUTY 20A TOGGLE SWITCHES

Standard toggle switches, Mounts in a 1/2" hole. Rated: 15 Amps @ 250VAC. 20A @ 125VAC. Screw terminals.



WT: .03

STOCK #	STYLE	DESC.	1EA	100+EA
12216-SW	SPST	On-Off	\$0.95	\$0.89
12217-SW	SPDT	On-On	\$1.15	\$0.90
12218-SW	SPDT	On-Off-On	\$1.50	\$1.22
12219-SW	DPST	On-Off	\$1.10	\$0.94
12220-SW	DPDT	On-On	\$1.80	\$1.44
12221-SW	DPDT	On-Off-On	\$1.95	\$1.56

MINI TOGGLE SWITCH WITH FULL TOGGLE

Mini toggle switches with full sized toggle actuator. Mounts in a 15/32" hole. Rated: 6A @ 125V/3A @ 250VAC. UL Listed. Solder terminals.



WT: .03

STOCK #	STYLE	DESC.	1EA
18376-SW	SPDT	On-None-On	\$1.49
18377-SW	SPDT	On-Off-On	\$1.49

FULL TOGGLE WATERPROOF BOOT

Molded rubber toggle boot with molded in nut.

For full sized toggle switches 16081-16090 & 12216-12221



WT: .009

STOCK #	DESC.	1EA	10EA
16312-SW	Full Toggle Boot	\$2.49	\$2.25

SPDT SLIDE SWITCH

PC mount, super mini slide switch.

Contacts rated .4VA.

Pin Spacing: 2mm.

Sold in Packs of 10pcs.

L: 11/32" W: 3/16" H: 5/16" Body + Act. WT: .009/10



STOCK #	DESC.	1PK	10+PK
18453-SW	Mini Slide Switch	\$1.00	\$0.80

PUSH BUTTON SWITCH



Mini push button switch, Momentary, Mounts in a 1/4" hole with Solder tabs. Rated 3 Amps @ 125VAC.

WT: .01

STOCK #	STYLE	DESC.	1EA	100+EA
5019-SW	SPST	Normally Open Red	\$0.29	\$0.26
5020-SW	SPST	Normally Closed Blk	\$0.29	\$0.26



FULL SIZE TOGGLE SAFETY COVERS

Plastic, Snap action safety covers for standard (1/2" Dia.) sized toggle switches. Cover must be opened to activate switch. Closing cover forces switch to original position.

WT: .02

STOCK #	DESC.	1EA	10+EA
16100-SW	Red Safety Cover	\$0.69	\$0.59
16101-SW	Green Safety Cover	\$0.69	\$0.59
16102-SW	Blue Safety Cover	\$0.69	\$0.59
16103-SW	Yellow Safety Cover	\$0.69	\$0.59
16104-SW	Purple Safety Cover	\$0.69	\$0.59
16105-SW	Black Safety Cover	\$0.69	\$0.59
16106-SW	Clear Safety Cover	\$0.69	\$0.59
16107-SW	Chrome Safety Cover	\$0.69	\$0.59

MISC. TOGGLE SWITCHES



5002-SW 5001-SW 5004-SW 12223-SW
Full size toggle switch, Amp Ratings are @ 125VAC.
5001: Wire leads 5002: Solder tab 5004 & 12223: Screw Mtg.: 1/2" hole

WT: .07

STOCK #	STYLE	DESC.	AMP	1EA	100+EA
5002-SW	SPST	On-None-Off	4	\$0.75	\$0.65
5001-SW	SPST	On-None-Off	6	\$1.25	\$1.00
5004-SW	DPDT	On-Off-On	10	\$1.95	\$1.75
12223-SW	SPST	On-None-Off	10	\$1.25	\$0.96

LEVER/ROLLER SNAP SWITCH

SPDT Lever/roller switch. Contacts rated: 5A @ 250VAC 1" lever requires 35gm force. .187" quick connect terminals. 2 hole mounting. CE Listed.

L: 1-1/8" (body) W: 5/8" T: 3/8"

WT: .015

STOCK #	DESC.	1EA	50EA
16315-SW	Roller Micro Switch	\$1.25	\$0.99

MINI SNAP SWITCH WITH ROLLER

SPDT micro switch with roller. Contacts rated 3A @ 125/250VAC. 55gm actuation force. Solder terminals. 2 mtg. holes. 3/4" lever.

L: 3/4" (body) W: 3/8" T: 1/4"

WT: .005

STOCK #	DESC.	1EA	10EA
16317-SW	Mini Snap Switch	\$0.89	\$0.79

SNAP SWITCH

SPST-NO Cherry switch. Contacts rated: 15A @ 125/250VAC. Button requires approx. 250gm force. solder terminals. 2 hole mounting. UL/us/canada Listed.

L: 1-1/16" (body) W: 5/8" T: 3/8"

WT: .011

STOCK #	DESC.	1EA	10EA
18084-SW	Cherry Snap Switch	\$0.99	\$0.79

COLOR MINI CAMERAS

Small cameras with metal case. Connects to any monitor or VCR with A/V inputs. Extension cable available.

Element: 1/4in. Color, CCD
Lens: Fixed 3.6mm/3.7mm pinhole
Scanning: EIA 525 lines- 60 fields, S/N Ratio: >46dB
Auto shutter: 1/60-1/100,000 Sec.
Resolution: 380 TV lines,
Sensitivity: 2lux. @ F: 2
Video output: NTSC std.

75 Ohm, 2/1 interlace 1.0V P/P composite video
Connections: 12" Video & Power leads
Video: RCA Female, Power: Male Coaxial
Power: 12VDC +/- .5V @ 100mA
Sq: 1-3/8"W/O bracket D: 1-3/8"max WT: .4

STOCK #	DESC.	1EA	5+EA
14383-ST	3.6mm Clr. Camera	\$89.95	\$79.95
14384-ST	Pinhole Clr. Camera	\$99.95	\$89.95

B/W MINI CAMERAS WITH AUDIO

Small cameras with metal case. Connects to any monitor or VCR with A/V inputs. Extension cable available.

With bracket & power supply.
Element: 1/3in. Monochrome, CCD
Lens: Fixed 3.6mm/3.7mm pinhole
Scanning: EIA 525 lines- 60 fields
Auto shutter: 1/60-1/100,000 Sec.
S/N Ratio: >46dB
Resolution: 380 TV lines
Illumination: Ambient light
Sensitivity: .1lux. @ F: 2
Power: 12VDC +/- .5V @ 110mA
Video output: EIA std.

75 Ohm, 2/1 interlace 1.0V P/P composite video
Audio: 2V P/P max
Connections: 12" Video, audio & Power leads
Video/Audio: RCA Female Power: Male Coaxial

Sq: 1-3/16"W/O bracket D: 1-3/16"max WT: .4

STOCK #	DESC.	1EA	5+EA
14248-ST	3.6mm Clr. Camera/Audio	\$49.95	\$44.95
14249-ST	Pinhole Clr. Camera/Audio	\$49.95	\$44.95

ENCLOSED B/W CAMERA

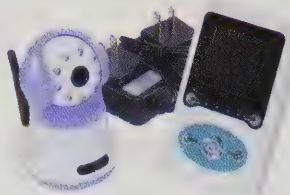
1/3" CCD, Fixed 3.6mm pinhole lens. Scanning 525 lines-60 fields S/N ratio: >35dB, Resolution: 400 TV lines, Sensitivity: .1 lux @ F:1.2, Video output: EIA 75 Ohm, 2/1 interlace 1.0V P/P composite video. Metal housing with removable mounting bracket. Auto iris/shutter: 1/60-1/100,000 sec. Connections: 18" leads Video/ RCA Female, Power/ Coaxial. Power 12Vdc +/- 1V @ 120mA. Plug supply included.
Sq: 1" W/O bracket" D: 9/16" WT: .17

STOCK #	DESC.	1EA	5EA
12018-ST	Enc. B/W Camera	\$59.95	\$54.95



www.briefcasetools.com

WIRELESS COLOR BABY MONITOR



Designed for use as a child monitor; this unique item as many security applications. 2.4GHz Wireless Pan/Tilt Color Camera with I/R LEDs and a 2.4" Color LCD Receiver. Intercom function. Battery/AC operation.

Camera:
510X492 Color CMOS
380 lines NTSC
3Lux/F1.2

Reverts to B/W at low light with IR LEDs
LEDs: 9 pcs. IR. range: up to 30ft.
Transmit Power: <10mW
Range: 200M Unobstructed
Power: 3.7V Rechargeable Battery (3Hrs Operating)
5VDC Plug Supply
Mic/Speaker: Built-In

RECEIVER:
2.4" Color TFT LCD Display
Sensitivity: <85dBm
Power: 3.7V Rechargeable Battery (3Hrs Operating)
5VDC Plug Supply
3.5mm earphone jack

Controls:
Power, Up, Left, Right, Down, Menu, Talk
GENERAL:
Oper. Temp: -20+50 C camera /-10+50C Recv.
Includes 2 Chargers, Earphones for receiver
Power: 3.7V Rechargeable
Cam.: H: 4" Dia.: 2.75"

WT: 1.6

STOCK #	DESC.	1EA
18416-ST	Baby Monitor System	\$119.95

SIGN-UP FOR OUR EMAIL SPECIALS ON MPJA.COM

PRO BLACK & WHITE SECURITY CAMERA



1/3" silicon CCD, metal cased camera with connection for auto iris lens. C or CS (with adaptor) lens mount. Scanning: EIA 525 lines- 60 fields, .1 lux/F1.4 sensitivity. Auto shutter: 1/60-1/100,000sec with Auto Iris: Switch & 4pin connector. >380 line resolution. 75 Ohm, 2/1 interlace, 1.0V P/P composite video, S/N Ratio: >46dB. BNC jack for video out, Coaxial/jack for power. Requires 12VDC @ 170mA. Connects to any monitor or VCR with A/V inputs. **Plug power pac supplied. Lens Not Included**
L: 4" W: 2" H: 2" WT: 2

STOCK #	DESC.	1EA	5EA
14363-ST	Pro Security Camera	\$79.95	\$74.95

CAMERA VIDEO/POWER CABLE



Siamese cable for cameras. Cable splits out 8" from ends into a video cable with a BNC male on one end and a RCA male on other and a power cable with a 2.1mm I/D coaxial power Plug on end (same end as video RCA) and a 2.5mm I/D power Jack on other. Includes a BNC Male to RCA Female adapter.

STOCK #	DESC.	WT.	1EA
15460-WI	25ft. Camera Cable	0.6	\$6.95
15461-WI	50ft. Camera Cable1	.8	\$9.95
15462-WI	100ft. Camera Cable	3.4	\$17.95
15463-WI	150ft. Camera Cable	4.9	\$22.95

FIRE ALARM

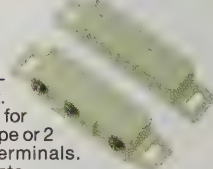


UNITED SECURITY PRODUCTS FHS-24 Remote Signaling Device. Contains Audable & Xeon flash. Produces 96dB sound and approx. 1 flash every 3 seconds. Requires 24 VDC @ 65mA. Fits on a 4"Sq. X 1-1/2" deep electrical box. Red color, UL listed

W: 5-1/4" H: 4" D: 2" WT: 1.3

STOCK #	DESC.	1EA
18040-MI	24VDC USP Fire Alarm	\$9.90

ALARM SWITCH



Security system door or window mag switch & Magnet. SPDT switch can be wired for NO or NC contacts. Foam tape or 2 hole mounting, Screw terminals. Approx. 1in. needed to activate.

L: 2-9/16" W: 5/8" HT: 9/16" WT: .06

STOCK #	DESC.	1EA
18548-SC	SPDT Security Mag Switch	\$4.95

4 OUTPUT 12VDC CAMERA SUPPLY



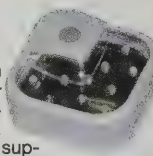
P/N: 264-2250-4
Input: 100-240 VAC 50/60Hz
Output: +12V @ 5A

Specifications/Features: Desktop switching supply. Over current protection. Std. IEC input connector. 5ft. output cable with 4 12mm X 5.5/2.1mm coaxial connectors split off 18" from ends. UL/TUV/CE Listed.

H: 4-5/8" W: 2-1/4" D: 1-1/2" WT: .6

STOCK #	DESC.	1EA
18682-PS	12VDC Camera Supply	\$17.95

MOTION DETECTOR



Portable mini motion detector. 10 superbrite white LEDs light for approx. 30sec. when motion is detected. Detection range: approx. 10ft+. Requires 3 "AA" cells. (Not supplied). Can be wall mounted or placed on flat surface

SQ.: 3-3/8" T: 1-1/2" WT: .25

STOCK #	DESC.	1EA
17923-MI	Portable Motion Detector	\$11.95

UV MARKING



Unique marking & identifying system. Includes a pen that dispenses a clear, permanent ink visible only under UV light from the mini UV LED Flashlight. Mark documents, pictures, cell phones, I-Pods & other electronics. Prove ownership of lost or stolen items. Uses 3 LR44 coin cells (Included) includes Key/Belt loop chain.

L: 2-1/2" (Light) WT: .24

STOCK #	DESC.	1EA
17936-MI	UV Marking System	\$5.95

CURRENCY DETECTOR



World wide forgery detector contains a 400nm UV LED and Magnetic thread/Ink detector. Requires 4 LR44/AG13 cells (included) push button switches for functions. For currency/document/art examination, chemical analysis, gem identification etc. Includes 15" neck lanyard.

L: 3-1/2" W: 1" T: 7/8" WT: .1

STOCK #	DESC.	1EA
18328-MI	UV/Mag. Forgery Detector	\$5.99

**BLACK
HEATSHRINK
TUBING**

Polyolefin
Listed dia. before shrinking, 2X min shrink ratio.
Rated 125deg. "C", 600V. UL/CSA Listed.
Available in 4ft lengths or 100ft. Rolls
L: 4ft.

STOCK #	DESC.	WT.	1pc
16325-HS	3/64 Black Shrink	.004	\$0.49
16326-HS	1/16 Black Shrink	.007	\$0.59
16327-HS	3/32 Black Shrink	.009	\$0.69
16328-HS	1/8 Black Shrink	.011	\$0.75
16329-HS	1/4 Black Shrink	.022	\$0.95
16330-HS	3/8 Black Shrink	.033	\$1.10
16331-HS	1/2 Black Shrink	.047	\$1.25
16332-HS	3/4 Black Shrink	.09	\$1.99
16333-HS	1 Black Shrink	.15	\$2.29

**HEATSHRINK
ROLLS**

L: 100ft. Rolls

STOCK #	DESC.	WT.	1ROLL
16334-HS	3/64 Black Shrink	.34	\$5.95
16335-HS	1/16 Black Shrink	.4	\$5.95
16336-HS	3/32 Black Shrink	.42	\$5.95
16337-HS	1/8 Black Shrink	.5	\$6.69
16338-HS	1/4 Black Shrink	.74	\$8.83
16339-HS	3/8 Black Shrink	1.1	\$10.66
16340-HS	1/2 Black Shrink	1.4	\$12.96
16341-HS	3/4 Black Shrink	2.6	\$24.95
16342-HS	1 Black Shrink	3.6	\$48.17

**COLOR
HEATSHRINK
ASSORTMENT**

154 pc. of 4in. Shrink tubing in
assorted colors. Flexible
polyolefin rated for 135 deg. "C"
Listed dia. before shrinking,
1/16" 56pcs. 3/32" 35pcs.
1/8" 28pcs. 3/16" 18pcs.
1/4" 9pcs. 3/8" 8pcs.
Includes hinged plastic box with latches

WT: .4

STOCK #	DESC.	1EA	12+EA
16481-HS	Color Shrink Kit	\$12.95	\$10.95

**BLACK HEATSHRINK
ASSORTMENT**

154 pc. of 4in. Shrink tubing.
Flexible polyolefin rated for 135
deg. "C". Listed dia. before shrink-
ing,
1/16" 56pcs. 3/32" 35pcs.
1/8" 28pcs. 3/16" 18pcs.
1/4" 9pcs. 3/8" 8pcs.
Includes hinged plastic box with latches

WT: .4

STOCK #	DESC.	1EA	12+EA
16482-HS	Black Shrink Kit	\$12.95	\$10.95

**HEATSHRINK MARKER
ASSORTMENT**

360 pc. of 1/2in. long Shrink tubing.
300 black + 60 un-numbered
Colored pcs.
Flexible black polyolefin rated for
135 deg. "C". Listed dia. before shrinking,
Numbered 0-9. In the following tubing sizes
1/8" 3/16"
1/4" 3/8"
1/2"
Includes hinged plastic box.

WT: .4

STOCK #	DESC.	1EA	12+EA
16483-HS	Heatshrink Marker Kit	\$12.95	\$10.95

COLOR HEATSHRINK TUBING

Polyolefin
(Clear-CYG-KYNAR)
Listed dia. before shrinking,
2X min shrink ratio.
Rated 125deg. "C", 600V.
Available in 4ft lengths Only
UL/CSA Listed

RED HEATSHRINK

L: 4ft.

STOCK #	DESC.	WT.	1pc
16601-HS	3/64 Red Shrink	.004	\$0.49
16602-HS	1/16 Red Shrink	.007	\$0.59
16603-HS	3/32 Red Shrink	.009	\$0.69
16604-HS	1/8 Red Shrink	.011	\$0.75
16605-HS	1/4 Red Shrink	.022	\$0.95
16606-HS	3/8 Red Shrink	.033	\$1.10
16607-HS	1/2 Red Shrink	.047	\$1.25
16608-HS	3/4 Red Shrink	.09	\$1.99
16609-HS	1 Red Shrink	.15	\$2.29

BLUE HEATSHRINK

L: 4ft.

STOCK #	DESC.	WT.	1pc
16611-HS	3/64 Blue Shrink	.004	\$0.49
16612-HS	1/16 Blue Shrink	.007	\$0.59
16613-HS	3/32 Blue Shrink	.009	\$0.69
16614-HS	1/8 Blue Shrink	.011	\$0.75
16615-HS	1/4 Blue Shrink	.022	\$0.95
16616-HS	3/8 Blue Shrink	.033	\$1.10
16617-HS	1/2 Blue Shrink	.047	\$1.25
16618-HS	3/4 Blue Shrink	.09	\$1.99
16619-HS	1 Blue Shrink	.15	\$2.29

YELLOW HEATSHRINK

L: 4ft.

STOCK #	DESC.	WT.	1pc
16621-HS	3/64 Yellow Shrink	.004	\$0.49
16622-HS	1/16 Yellow Shrink	.007	\$0.59
16623-HS	3/32 Yellow Shrink	.009	\$0.69
16624-HS	1/8 Yellow Shrink	.011	\$0.75
16625-HS	1/4 Yellow Shrink	.022	\$0.95
16626-HS	3/8 Yellow Shrink	.033	\$1.10
16627-HS	1/2 Yellow Shrink	.047	\$1.25
16628-HS	3/4 Yellow Shrink	.09	\$1.99
16629-HS	1 Yellow Shrink	.15	\$2.29

CLEAR HEATSHRINK

CYG-KYNAR

L: 4ft.

STOCK #	DESC.	WT.	1pc
16631-HS	3/64 Clear Shrink	.004	\$0.49
16632-HS	1/16 Clear Shrink	.007	\$0.59
16633-HS	3/32 Clear Shrink	.009	\$0.69
16634-HS	1/8 Clear Shrink	.011	\$0.75
16635-HS	1/4 Clear Shrink	.022	\$0.95
16636-HS	3/8 Clear Shrink	.033	\$1.10
16637-HS	1/2 Clear Shrink	.047	\$1.25
16638-HS	3/4 Clear Shrink	.09	\$1.99
16639-HS	1 Clear Shrink	.15	\$2.29

GREEN HEATSHRINK

L: 4ft.

STOCK #	DESC.	WT.	1pc
16641-HS	3/64 Green Shrink	.004	\$0.49
16642-HS	1/16 Green Shrink	.007	\$0.59
16643-HS	3/32 Green Shrink	.009	\$0.69
16644-HS	1/8 Green Shrink	.011	\$0.75
16645-HS	1/4 Green Shrink	.022	\$0.95
16646-HS	3/8 Green Shrink	.033	\$1.10
16647-HS	1/2 Green Shrink	.047	\$1.25
16648-HS	3/4 Green Shrink	.09	\$1.99
16649-HS	1 Green Shrink	.15	\$2.29

WHITE HEATSHRINK

L: 4ft.

STOCK #	DESC.	WT.	1pc
16651-HS	3/64 White Shrink	.004	\$0.49
16652-HS	1/16 White Shrink	.007	\$0.59
16653-HS	3/32 White Shrink	.009	\$0.69
16654-HS	1/8 White Shrink	.011	\$0.75
16655-HS	1/4 White Shrink	.022	\$0.95
16656-HS	3/8 White Shrink	.033	\$1.10
16657-HS	1/2 White Shrink	.047	\$1.25
16658-HS	3/4 White Shrink	.09	\$1.99
16659-HS	1 White Shrink	.15	\$2.29

VIOLET HEATSHRINK

L: 4ft.

STOCK #	DESC.	WT.	1pc
16661-HS	3/64 Violet Shrink	.004	\$0.49
16662-HS	1/16 Violet Shrink	.007	\$0.59
16663-HS	3/32 Violet Shrink	.009	\$0.69
16664-HS	1/8 Violet Shrink	.011	\$0.75
16665-HS	1/4 Violet Shrink	.022	\$0.95
16666-HS	3/8 Violet Shrink	.033	\$1.10
16667-HS	1/2 Violet Shrink	.047	\$1.25
16668-HS	3/4 Violet Shrink	.09	\$1.99
16669-HS	1 Violet Shrink	.15	\$2.29

**DUAL WALL
HEATSHRINK**

4ft. long black, adhesive lined shrink
tubing.
Flexible polyolefin rated for 135 deg. "C"
Listed dia. before shrinking,
L: 4ft.

STOCK #	DESC.	WT.	1pc
16674-HS	1/8 Dual Wall Shrink	.015	\$2.95
16673-HS	3/16 Dual Wall Shrink	.017	\$3.95
16675-HS	1/4 Dual Wall Shrink	.025	\$4.95
16676-HS	3/8 Dual Wall Shrink	.041	\$6.95
16677-HS	1/2 Dual Wall Shrink	.055	\$7.95
16678-HS	3/4 Dual Wall Shrink	.12	\$9.95
16679-HS	1 Dual Wall Shrink	.2	\$12.95

**DUAL WALL
HEATSHRINK
ASSORTMENT**

37 pc. of 4in. long black, ad-
hesive lined shrink tubing.
Flexible polyolefin rated for
135 deg. "C" Listed dia. before
shrinking,
1/8" 12pcs. 1/4" 10pcs.
3/8" 6pcs. 1/2" 4pcs.
3/4" 3pcs. 1" 2pcs.
Includes hinged plastic box with latches

WT: .52

STOCK #	DESC.	1EA	12+EA
16484-HS	Dual Wall Shrink Kit	\$16.95	\$14.95

6" BLACK HEATSHRINK ASSORTMENT



24 pc. of 6in. long Black Shrink tubing in assorted Dia. Flexible polyolefin rated for 125 deg. "C"/600V. Listed dia. before shrinking. 4 pcs. each of following sizes: 3/32", 1/8", 3/16", 1/4", 3/8" & 1/2"

STOCK #	DESC.	1EA
16830-HS	Black 6" long Shrink Bagged	\$3.95

6" COLOR 1/8" HEATSHRINK ASSORTMENT



10 pc. of 6in. long X 1/8" Dia. Shrink tubing in assorted colors. Flexible polyolefin rated for 125 deg. "C"/600V

Black 2pcs.	Blue 1pc.	Yellow 1pc.
Clear 2pcs.	Green 1pc.	
Red 2pcs.	White 1pc.	

STOCK #	DESC.	1EA
16831-HS	Color 1/8" Shrink Bagged	\$2.25

6" COLOR 3/16" HEATSHRINK ASSORTMENT



10 pc. of 6in. long X 3/16" Dia. Shrink tubing in assorted colors. Flexible polyolefin rated for 125 deg. "C"/600V

Black 2pcs.	Blue 1pc.	Yellow 1pc.
Clear 2pcs.	Green 1pc.	
Red 2pcs.	White 1pc.	

STOCK #	DESC.	1EA
16832-HS	Color 3/16" Shrink Bagged	\$2.50

6" COLOR 1/4" HEATSHRINK ASSORTMENT



10 pc. of 6in. long X 1/4" Dia. Shrink tubing in assorted colors. Flexible polyolefin rated for 125 deg. "C"/600V

Black 2pcs.	Blue 1pc.	Yellow 1pc.
Clear 2pcs.	Green 1pc.	
Red 2pcs.	White 1pc.	

STOCK #	DESC.	1EA
16833-HS	Color 1/4" Shrink Bagged	\$2.75

6" COLOR 3/8" HEATSHRINK ASSORTMENT

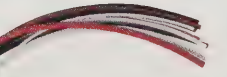


10 pc. of 6in. long X 3/8" Dia. Shrink tubing in assorted colors. Flexible polyolefin rated for 125 deg. "C"/600V

Black 2pcs.	Blue 1pc.	Yellow 1pc.
Clear 2pcs.	Green 1pc.	
Red 2pcs.	White 1pc.	

STOCK #	DESC.	1EA
16834-HS	Color 3/8" Shrink Bagged	\$2.95

12" COLOR HEATSHRINK ASSORTMENT



12in. lengths of Red, White, & Black shrink tubing. 1 each color in 1/8", 3/16" & 1/4" pre shrink sizes. 9pcs total

STOCK #	DESC.	1EA
18787-HS	12" Color Shrink	\$1.95

2-1/2" BLACK HEATSHRINK ASSORTMENT

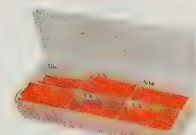


158 pc. of 2-1/2in. Black Shrink tubing in assorted colors. Flexible polyolefin rated for 125 deg. "C"/600V. Listed dia. before shrinking.

1/16" 60pcs.	1/8" 40pcs.
3/16" 20pcs.	1/4" 18pcs.
3/8" 10pcs.	1/2" 10pcs.

STOCK #	DESC.	1EA
16835-HS	2-1/2" Black Shrink Kit	\$10.95

2-1/2" RED HEATSHRINK ASSORTMENT

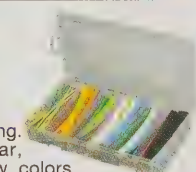


158 pc. of 2-1/2in. Red Shrink tubing in assorted colors. Flexible polyolefin rated for 125 deg. "C"/600V. Listed dia. before shrinking.

1/16" 60pcs.	1/8" 40pcs.
3/16" 20pcs.	1/4" 18pcs.
3/8" 10pcs.	1/2" 10pcs.

STOCK #	DESC.	1EA
16836-HS	2-1/2" Red Shrink Kit	\$10.95

4" HEATSHRINK ASSORTMENT



160 pc. of 4in. long shrink tubing. Includes Black, Blue, Clear, Green, Red, White & Yellow colors. Flexible polyolefin rated for 125 deg. "C"/600V. Listed dia. before shrinking.

1/16" 60pcs.	3/32 35pcs.
1/8" 25pcs.	3/16" 20pcs.
1/4" 10pcs.	3/8" 10pcs.

STOCK #	DESC.	1EA
16843-HS	4" Assort. Color Shrink Kit	\$11.95

WIRING ASSESSORY KIT



Each set contains:
1ea. pocket flat blade screwdriver/AC/DC neon voltage checker 100-250V
Flexible 4in. long polyolefin shrink tubing rated for 135 deg. "C"

8pcs. ea. 1/16"	clear & black
8pcs. ea. 3/32"	clear & black
6pcs. ea. 1/8"	clear & black
4pcs. ea. 3/16"	clear & black
2pcs. ea. 1/4"	clear & black
2pcs. ea. 3/8"	clear & black
20pcs. ea. 3in.	black & natural wire ties
10pcs. ea. 7in.	black & natural wire ties
4pcs. ea. 1/8in.	black & natural cable clamps
2pcs. ea. 1/4in.	black & natural cable clamps
2pcs. ea. 5/16in.	black & natural cable clamps
2pcs. ea. 7/16in.	black & natural cable clamps
1pc. ea. 1/2in.	black & natural cable clamp
1pc. ea. 5/8in.	black & natural cable clamp
20ea.	assort. rubber grommets
40+pcs.	ea. 2.5mm X 10mm black & silver screws
40+pcs.	ea. 3.5mm X 12mm black & silver screws

STOCK #	DESC.	1EA	12+EA
16485-HD	Wiring Asscesory Kit	\$16.95	\$14.95

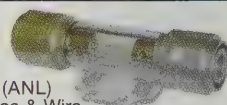
4FT. BLACK HEATSHRINK ASSORTMENT



Polyolefin, Rated 125deg. "C", 600V. Size listed is before shrinking. 2X min shrink ratio. One each of: 3/64", 1/16", 1/32", 1/8", 1/4", 3/8", 1/2", 3/4", 1". UL/CSA Listed.

STOCK #	DESC.	1EA
18896-HS	4ft. Black Shrink Assort.	\$5.95

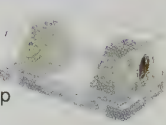
SPLASHPROOF FUSE BLOCK



Heavy duty Type ANE (ANL) splashproof fuse block. Fuse & Wire clamp screws are 24K Gold plated. Holds single ANE/ANL fuse. Accepts up to 1/0 AWG cable, Clear housing with silver plastic end covers. 4 screw mounting.

STOCK #	DESC.	1EA	5+EA
15526-FH	Splashproof ANE Holder	\$8.99	\$8.25

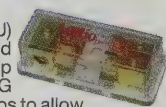
HEAVY DUTY FUSE BLOCK



Heavy duty Type ANE (ANL) fuse block. All metal parts are 24K Gold plated. Holds single ANE/ANL fuse up to 500A. Accepts up to 1AWG cable, Set screw clamp, clear snap on cover.

STOCK #	DESC.	1EA	5+EA
14948-FH	ANE Fuse Holder	\$10.95	\$9.95

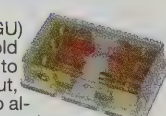
2 POSITION FUSE BLOCK



Distribution block for Type AUE (AGU) fuses. All metal parts are 24K Gold plated. Holds 2 AUE (AGU) fuses up to 80A each. One 3 way #4 AWG input, Two 8AWG output. Inner steps to allow insulation into block. Set screw clamps, clear housing.

STOCK #	DESC.	1EA	5+EA
14952-FH	2 Pos. Fused Block	\$7.49	\$6.95

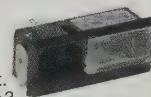
3 POSITION FUSE BLOCK



Distribution block for Type AUE (AGU) fuses. All metal parts are 24K Gold plated. Holds 3 AUE (AGU) fuses up to 80A each. One 3 way #4 AWG input, Three 8AWG output. Inner steps to allow insulation into block. Set screw clamps, clear housing.

STOCK #	DESC.	1EA	5+EA
14953-FH	3 Pos. Fused Block	\$9.75	\$8.95

POWER ENTRY MODULE/FUSE



DELTA 06L4, snap-in power inlet. Rated: 15A @ 250VAC. Standard male 3 blade IEC cord connector, fuse holder for 1-1/14" X 1/4" fuse & input voltage programming card (used to select power transformer taps). Solder terminals for output. For panels .04-.063in. thick. UL/CSA listed. NO RFI filter.

STOCK #	DESC.	1EA
18467-FH	Power Entry Module	\$4.95

POWER ENTRY MODULE



SCHURTER KD14.1101.151, power inlet. Rated: 10A @ 125VAC. Standard male 3 blade IEC cord connector, fuse holder for 5 X 20mm fuse, DPST Power Switch. .187" quick connect terminals for output. 2 mounting holes. UL/CSA listed. Includes 3.15A fuse. Does NOT contain RFI filter.

STOCK #	DESC.	1EA
18567-FH	Schurter Power Entry Module	\$4.95

ATC/ATO AUTOMOTIVE FUSE ASSORTMENT

120 auto fuses in plastic storage box
Each kit contains:
20pcs. 5A (Orange)
20pcs. 10A (Red)
20pcs. 15A (Blue)
20pcs. 20A (Yellow)
20pcs. 25A (Clear)
20pcs. 30A (Green)



WT: .5

STOCK #	DESC.	1EA	10+EA
15706-FU	120pc. Fuse Assort.	\$13.95	\$12.95

FUSEHOLDER FOR GMA FUSES

Panel mount fuseholder for GMA .787" X .197" (20mm X 5mm) type fuses. Rated 10A @ 250VAC. Multi-turn cap, solder terminals



Mounting Hole: 1/2"

WT: .033

STOCK #	DESC.	1EA	5+EA
5585-FH	GMA Fuse Holder	\$0.50	\$0.40

CHASSIS FUSEHOLDER FOR STANDARD FUSES

Panel mount fuseholder for standard AGC (1-1/4" X 1/4") type fuses. Rated 15A @ 125 VAC/10A @ 250VAC. Multi-turn cap, solder terminals



Mounting Hole: 9/16"

WT: .033

STOCK #	DESC.	1EA	5+EA
4476-FH	Std. Fuse Holder	\$0.75	\$0.65

FUSE HOLDER FOR ATQ/ATC BLADE FUSE

Fiber reinforced nylon in line fuse holder with attached cover to keep out dirt, water resistant but not water proof. For full size ATQ type blade fuses. 8" AWG12 wire loop. 30A max. current.



L: 9.5" O/A

WT: .1

STOCK #	DESC.	1EA	5+EA
8878-FH	ATQ Blade Fuseholder	\$1.65	\$1.49

FUSE HOLDER FOR ATQ BLADE FUSE

Molded rubber in line fuse holder for full size ATQ blade fuses. Overall length is 9" (8" AWG12 wire loop). 30A max. current.



L: 9.5" O/A

WT: .04

STOCK #	DESC.	1EA	5+EA
8879-FH	ATQ Blade Fuseholder	\$1.25	\$0.95

FUSEHOLDER & FUSE

Plastic in line fuse holder with 10A fuse installed. Holds a standard AGC (3AG) 1/4" Dia fuse. 16AWG Wire



L: 13" O/A

WT: .05

STOCK #	DESC.	1EA	10+EA
18082-FH	Fuseholder/10A Fuse	\$0.99	\$0.89

2A SUB MINI FUSE

Fuses the size of a 1/4W resistor. Wire leads

SOLD IN PACKS OF 5 SAME VALUE

L: 3/8" (Body) Dia: 1/8" WT: .06/pack

STOCK #	AMPS	DESC.	1PK	10+PK
12130-FU	2	Submini Fuse	\$2.00	\$1.60



TY-RAPS

UL listed Natural or Black Nylon ties
Sold in packs of 100

STOCK #	DESC.	1PK	10+PK
0200-TY	5-1/2" Ty-Rap	.1	\$1.70 \$1.50
4529-TY	7-1/2" Ty-Rap	.2	\$2.80 \$2.00
4530-TY	11" Ty-Rap	.5	\$5.00 \$3.90
11630-TY	4" Black Ty-Rap	.1	\$1.30 \$1.10
11508-TY	7-1/2" Black Ty-Rap	.2	\$2.50 \$2.00
11633-TY	11" Black Ty-Rap	.5	\$6.90 \$5.50
0199-TY	4" Ty-Rap	.1	\$1.10 \$0.90

STAINLESS STEEL TIES



6pc. steel wire ties. For wire, cable or pipes.

17545:	L: 7"	W: 3/16"	WT: .05
17873:	L: 12"	W: 6/16"	WT: .1

STOCK #	DESC.	1EA
17545-TY	6 Pack 7in. Wire Ties	\$1.95
17873-TY	6 Pack 12in. Wire Ties	\$3.50

GMA FUSES



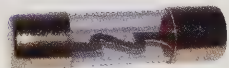
.787" X .197" dia. (20mm X 5mm)
Metric fuses for use in equipment designed for world wide use

SOLD IN PACKS OF 10 SAME VALUE.

STOCK #	AMPS	DESC.	1PK	10+PK
15761-FU	.5	GMA Fuse	\$0.80	\$0.60
15762-FU	1	GMA Fuse	\$0.80	\$0.60
15763-FU	1.5	GMA Fuse	\$0.80	\$0.60
15764-FU	2	GMA Fuse	\$0.80	\$0.60
15765-FU	3	GMA Fuse	\$0.80	\$0.60
15766-FU	4	GMA Fuse	\$0.80	\$0.60
15767-FU	5	GMA Fuse	\$0.80	\$0.60
15768-FU	6	GMA Fuse	\$0.80	\$0.60
15769-FU	8	GMA Fuse	\$0.80	\$0.60
15770-FU	10	GMA Fuse	\$0.80	\$0.60
15771-FU	15	GMA Fuse	\$0.80	\$0.60

AGU/AUE FUSES

Audio System Distribution Fuses
High performance Gold Plated



STOCK #	AMPS	DESC.	1EA	5+EA
14990-FU	30	AGU/AUE Fuse	\$2.25	\$1.90
14991-FU	40	AGU/AUE Fuse	\$2.25	\$1.90
14992-FU	50	AGU/AUE Fuse	\$2.25	\$1.90
14993-FU	60	AGU/AUE Fuse	\$2.25	\$1.90
14994-FU	80	AGU/AUE Fuse	\$2.25	\$1.90

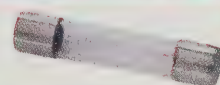
ANL/ANE FUSES

Audio System Distribution Fuses
High performance Gold Plated



STOCK #	AMPS	DESC.	1EA	5+EA
14998-FU	80	ANE/ANL Fuse	\$3.49	\$2.95
14999-FU	100	ANE/ANL Fuse	\$3.49	\$2.95
15000-FU	130	ANE/ANL Fuse	\$3.49	\$2.95
15001-FU	150	ANE/ANL Fuse	\$3.49	\$2.95
15002-FU	175	ANE/ANL Fuse	\$3.49	\$2.95
15003-FU	200	ANE/ANL Fuse	\$3.49	\$2.95

STANDARD FUSES

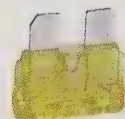


General use electronic fuses.
SOLD IN PACKS OF 10 SAME VALUE.

L: 1-1/4"		Dia: 1/4"		WT: .03/pk	
STOCK #	AMPS	DESC.	1PK	10+PK	
15775-FU	.25	Std. Blow Fuse	\$0.99	\$0.80	
15776-FU	.50	Std. Blow Fuse	\$0.99	\$0.80	
15777-FU	1	Std. Blow Fuse	\$0.99	\$0.80	
15778-FU	1.5	Std. Blow Fuse	\$0.99	\$0.80	
15779-FU	2	Std. Blow Fuse	\$0.99	\$0.80	
15780-FU	4	Std. Blow Fuse	\$0.99	\$0.80	
15781-FU	5	Std. Blow Fuse	\$0.99	\$0.80	
15782-FU	6	Std. Blow Fuse	\$0.99	\$0.80	
15783-FU	8	Std. Blow Fuse	\$0.99	\$0.80	
15784-FU	10	Std. Blow Fuse	\$0.99	\$0.80	
15785-FU	20	Std. Blow Fuse	\$0.99	\$0.80	

ATC AUTOMOTIVE

ATC (ATQ) Blade type fuses used in cars



SOLD IN BOXES OF 10 OF SAME VALUE.

WT: .05/pk

STOCK #	AMPS	DESC.	1PK	10+PK
4215-FU	3	Automotive Fuse	\$1.50	\$1.20
3613-FU	5	Automotive Fuse	\$1.50	\$1.20
3615-FU	10	Automotive Fuse	\$1.50	\$1.20
3616-FU	15	Automotive Fuse	\$1.50	\$1.20
3617-FU	20	Automotive Fuse	\$1.50	\$1.20
3618-FU	25	Automotive Fuse	\$1.50	\$1.20
3619-FU	30	Automotive Fuse	\$1.50	\$1.20

AST MINI AUTOMOTIVE

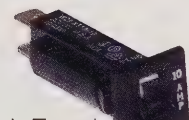
AST Mini Blade type fuses used in cars
SOLD IN BOXES OF 10 OF SAME VALUE.



WT: .05/pk

STOCK #	AMPS	DESC.	1PK	10+PK
15721-FU	5	Automotive Fuse	\$1.90	\$1.75
15722-FU	7.5	Automotive Fuse	\$1.90	\$1.75
15723-FU	10	Automotive Fuse	\$1.90	\$1.75
15725-FU	20	Automotive Fuse	\$1.90	\$1.75
15726-FU	25	Automotive Fuse	\$1.90	\$1.75
15727-FU	30	Automotive Fuse	\$1.90	\$1.75

10A DC BREAKER



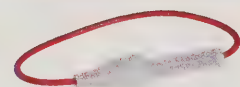
P & B P/N W28-XT1A-10 snap in Thermal breaker rated 10A@ 32 VDC/250VAC max. 1/4" quick connect terminals. Mounts in 5/8" hole. Designed to fit into same size space as a Std. Fuseholder. For panels: .075"-.105" thick. UL/CSA/VDE listed

L: 2" O/A

WT: .018

STOCK #	DESC.	1EA
18100-FU	10A Circuit Breaker	\$0.99

IN LINE FUSE HOLDER



Plastic in line fuse holder. Holds a standard AGC (3AG) 1/4" dia fuse. Overall length is 9-1/2". Ideal for automotive uses etc. Max current is 3A continuous, 5A surge.

L: 9.5" O/A

WT: .02

STOCK #	DESC.	1EA	5+EA
4477-FH	Inline Fuseholder	\$0.75	\$0.60

1A RECTIFIER DIODES

1N4000 series 1 Amp Axial diodes. DO-04 Case
WT: .001

STOCK #	DESC.	PIV	1EA	200EA	1000+EA
5211-DI	1N4001	50	\$0.05	\$0.04	\$0.03
5212-DI	1N4002	100	\$0.05	\$0.04	\$0.03
5213-DI	1N4003	200	\$0.06	\$0.05	\$0.03
5214-DI	1N4004	400	\$0.06	\$0.05	\$0.04
5215-DI	1N4005	600	\$0.06	\$0.05	\$0.04
5216-DI	1N4006	800	\$0.06	\$0.05	\$0.04
5217-DI	1N4007	1000	\$0.07	\$0.06	\$0.04

3A RECTIFIER DIODES

1N5400 series 3 Amp Axial diodes. DO-201AD Case
Dia: .375 WT: .001

STOCK #	DESC.	PIV	10EA	200EA	800+EA
4991-DI	1N5400	50	\$0.25	\$0.18	\$0.16
4992-DI	1N5401	100	.19	.14	.12
4993-DI	1N5402	200	.20	.14	.13
4995-DI	1N5404	400	.21	.15	.13
4996-DI	1N5405	500	.21	.15	.13
4997-DI	1N5406	600	.22	.16	.14
4998-DI	1N5407	800	.23	.16	.15
4999-DI	1N5408	1000	.23	.17	.15

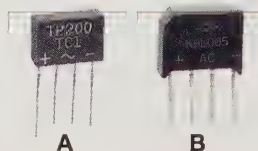
6A RECTIFIER DIODES

P600 series 6 Amp Axial diodes. 1" leads
Dia: .39" WT: .002

STOCK #	DESC.	PIV	10EA	200EA	800+EA
5218-DI	P600A	50	\$0.54	\$0.39	\$0.35
5219-DI	P600B	100	\$0.60	.43	.38
5220-DI	P600D	200	\$0.65	.47	.42
5221-DI	P600G	400	\$0.70	.51	.45
5222-DI	P600J	600	\$0.76	.55	.49
5223-DI	P600K	800	\$0.76	.55	.49
5224-DI	P600M	1000	\$0.76	.55	.49

IN-LINE
BRIDGES

WIRE LEADS



WT: .001

STOCK #	AMP.	PIV	FIG.	1EA	25+EA
5234-BR	2	50	A	\$0.44	\$0.39
5235-BR	2	400	A	\$0.54	\$0.48
5236-BR	2	1000	A	\$0.62	\$0.55
5237-BR	4	50	B	\$0.75	\$0.67
5238-BR	4	200	B	\$0.88	\$0.79
5239-BR	4	400	B	\$0.98	\$0.88
5203-BR	4	1000	B	\$1.49	\$1.34

6A SQ.
BRIDGE

Wire Leads for PC Board Mtg



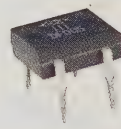
WT: .001

STOCK #	PIV	DESC.	1EA	25+EA
5241-BR	50	6A Bridge	\$0.88	\$0.79
5243-BR	1000	6A Bridge	\$1.35	\$1.21

BRIDGE
RECTIFIERSSquare package,
.250" Quick connect
terminals.

WT: .05 15-30A / .1 50A

STOCK #	AMP.	PIV	1EA	25+EA
5244-BR	15	100	\$1.91	\$1.70
5245-BR	15	400	\$2.65	\$2.38
5246-BR	15	1000	\$3.44	\$3.09
5247-BR	25	50	\$1.95	\$1.75
5248-BR	25	400	\$2.70	\$2.43
5249-BR	25	1000	\$3.49	\$3.14
5250-BR	35	50	\$2.25	\$1.99
5251-BR	35	400	\$2.99	\$2.69
5252-BR	35	1000	\$3.99	\$3.59
5254-BR	50	400	\$5.75	\$4.95
5255-BR	50	1000	\$6.45	\$5.95

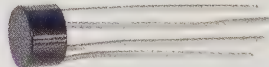
1A MINI DIP
BRIDGES4 pin Mini DIP Package for socket or
PC board mounting

WT: .001

STOCK #	PIV	DESC.	1EA	50+EA
5225-BR	50	1A DIP Bridge	\$0.39	\$0.35
5226-BR	200	1A DIP Bridge	\$0.42	\$0.37
5227-BR	400	1A DIP Bridge	\$0.44	\$0.39
5228-BR	800	1A DIP Bridge	\$0.50	\$0.45

1.5A ROUND
BRIDGE

1.5 Amp, Wire Leads for PC Board Mtg



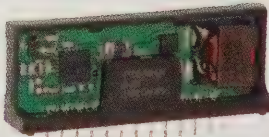
WT: .001

STOCK #	PIV	DESC.	1EA	50+EA
5230-BR	50	1.5A Bridge	\$0.35	\$0.32
5231-BR	200	1.5A Bridge	\$0.37	\$0.33
5232-BR	400	1.5A Bridge	\$0.39	\$0.35
5233-BR	800	1.5A Bridge	\$0.48	\$0.43

40A STUD
RECTIFIERSSilicon stud diodes rated 40A 600PIV. Available
standard Cathode case or Reverse; Anode Case
for ease in heatsinking. Includes 1/4-28 Nut.

WT: .04

STOCK #	DESC.	1EA
18392-DI	1N1190A 40A Cath. Case Diode	\$3.50
18393-DI	1N1190AR 40A Anode Case Diode	\$3.50

12V/3A
VOLTAGE
REGULATORT.I. PT6304N, "Point Of Load" Switching regulator. Rated:
16-30VDC input; 12VDC Output at 3A. Line/Load Reg:
0.5%. Output V can be adjusted with the addition of
external resistor. 12Pin SIP.

L: 1-11/16" W: 3/8" H: 5/8" WT: .02

STOCK #	DESC.	1EA
18659-RG	T.I. Switching Regulator	\$10.95

LOGIC DIODES

General purpose silicon logic diodes at OEM prices.

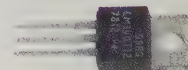


WT: .05/15 .16/100

STOCK #	DESC.	15+EA	100+EA
1670-DI	1N4148 Diode	\$0.06	\$0.04
0614-DI	1N914 Diode	\$0.05	\$0.03

VOLTAGE REGULATORS

TO-220 CASE

32VDC Max input Voltage
1Amp Output, three terminal regulators

WT: .001

STOCK #	IND. #	OUT V	1EA	25+EA
0359-RG	7805/340-5	+5	\$0.50	\$0.35
0366-RG	7905	-5	\$0.50	\$0.35
0361-RG	7812	12	\$0.50	\$0.35
0367-RG	7912	-12	\$0.50	\$0.35
0368-RG	7915	-15	\$0.50	\$0.35
0364-RG	7824	+24	\$0.50	\$0.35

LM-317 ADJ.
VOLTAGE
REGULATOROne of the most popular Adjustable regulator of all time.
Rated: 3-37VDC input; 1.2-35V adjustable output at 1A.

WT: .05

STOCK #	DESC.	1EA	25+EA
0365-RG	LM317 Adj. Regulator	\$0.75	\$0.49

800V @ 30A
1/2 BRIDGE

MFG: PRX

P/N: CD410830

Rated 30ARMS @ 800V. 3 terminals with isolated case.
Dual Diode connected as a 1/2 bridge (Cathode of con-
nected to Anode of other as 1 terminal).

L: 3-5/8" W: 1" H: 1-1/8"

WT: .4

STOCK #	DESC.	1EA	10+EA
18837-DI	30A Half Bridge Module	\$10.95	\$9.96

TRANSISTOR
SPECIALGeneral purpose, small signal amplifiers in TO-226 plas-
tic case.

WT: .001

STOCK #	IND. #	1EA	100EA	2000+EA
2030-QT	PN-2222A	\$0.25	\$0.12	\$0.06
2224-QT	2N3906	\$0.25	\$0.12	\$0.06
4024-QT	2N4401	\$0.25	\$0.12	\$0.06

NE555 TIMER IC

Work horse of all timing circuits.
8 Pin Mini DIP.

WT: .001

STOCK #	DESC.	1EA	5+EA
2350-IC	NE555 Timer IC	\$0.50	\$0.42

PLL MOTOR
CONTROL ICToshiba TC9203P Phase Lock Loop
IC. Designed to control the spindle motor in
Floppy Drives. Built in Oscillator, Auto Phase control, Auto
Frequency control, many features needed to control
motor speed.

WT: .01

STOCK #	DESC.	1EA	25+EA
8381-IC	Toshiba PLL IC	\$1.25	\$1.00

OPTO INTERRUPTER

MFG: LITEON

P/N: LTH-301-23

LED: 60mA max 5VDC max reverse volts

OUTPUT TRANSISTOR: 20mAmax / 30Vceo max

Ic on state: 4mA @ Vce=5V

CONNECTION: PC Mount

.197" Wide X .30" deep gap, Opto transistor output.

L: .54" H: .39" T: .22"

WT: .0015

STOCK #	DESC.	1EA	10EA
18028-OP	Liteon Opto-Interrupter	\$0.45	\$0.38

12V LED STRIPS



Water resistant, PVC encapsulated, flexible strip of 12 LEDs on 25mm C/C. 12VDC operation 75mA max current draw. 120 deg. view angle. Header sockets at both ends allowing interconnection of up to 50 strips.

Individual LED Intensity:

Red: 80mcd Green: 180mcd Amber: 80mcd
Blue: 70mcd White: 230mcd

L: 29.5cm W: 10mm WT: .022

STOCK #	DESC.	1EA	10+EA
17358-OP	Red LED Flex Strip	\$12.95	\$8.95
17359-OP	Green LED Flex Strip	\$12.95	\$8.95
17360-OP	Amber LED Flex Strip	\$12.95	\$8.95
17361-OP	Blue LED Flex Strip	\$12.95	\$8.95
17362-OP	White LED Flex Strip	\$12.95	\$8.95

12V RGB LED STRIP



Water resistant, PVC encapsulated, flexible strip of 36 LEDs Grouped 1 each color on 25mm C/C. Total of 12ea Red/Green & Blue. Each color can be powered independently or concurrently. 12VDC operation, 220mA max draw. 120deg. view angle. Header sockets at both ends allowing interconnection of 15 strips. Individual LED Intensity:

Red: 80mcd Green: 180mcd Blue: 70mcd

When used with 18137-OP Controller; strip will slowly cycle through combinations of the 3 colors. Approx. cycle time is 16sec.

NOTE: Cannot be connected to Single Color Strips

L: 29.5cm W: 10mm WT: .022

STOCK #	DESC.	1EA	10+EA
17363-OP	R/G/B LED Flex Strip	\$16.95	\$12.95

12V RGB STRIP DRIVER



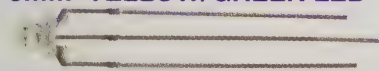
NEW SMT Driver module that plugs directly into the 17363-OP RGB LED strip. Controller will slowly cycle through combinations of the 3 colors. Approx. cycle time is 16sec. 24in Power cord with a 5.5/2.5mm Jack on end 12VDC operation. Max Drive 15 strips

NOTE: Cannot be connected to Single Color Strips

L: 24" WT: .02

STOCK #	DESC.	1EA	10+EA
18137-OP	R/G/B Driver Module	\$8.95	\$6.95

3MM YELLOW/GREEN LED



3mm (T1) Bi-Color Yellow/Green LED, 3 leads. Transparent, non-diffused case. Common Cathode with separate Anode for each color. 1" Leads.

Wavelength: Y585/G565nm

Output: 19mcd typ.

Max forward current 20mA continuous.

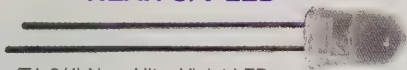
Forward Drop: Y2.6/G2.5V typ

Max reverse Voltage: 5VDC.

WT: .0001

STOCK #	DESC.	1EA	100+EA
18037-OP	C/C 3mm Bi-Color LED	\$0.10	\$0.07

NEAR UV LED



5mm (T1-3/4) Near Ultra Violet LED, Transparent, non-diffused, Water Clear case. 1" Leads. Wavelength: 400nm

Output: 80mcd typ.

Max forward current 20mA continuous.

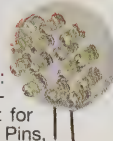
Forward Drop: 3.6V typ

Max reverse Voltage: 5VDC.

WT: .001

STOCK #	DESC.	1EA	10+EA
14143-OP	Near UV LED	\$0.29	\$0.22

12V G-4 BI-PIN LED LAMPS



Bi-pin bulb replacement assembly features: 14 super brite LEDs, 12VAC or DC operation, 55deg. beam angle. Replacement for most G-4 lamps. .9mm dia. X 8mm Steel Pins, plastic body.

Dia.: 22.5mm T: 11mm

WT: .009

STOCK #	DESC.	1EA	10+EA
17352-OP	Red LED Bi-Pin Lamp	\$8.95	\$6.95
17353-OP	Green LED Bi-Pin Lamp	\$8.95	\$6.95
17354-OP	Amber LED Bi-Pin Lamp	\$8.95	\$6.95
17355-OP	Blue LED Bi-Pin Lamp	\$8.95	\$6.95
17356-OP	White LED Bi-Pin Lamp	\$8.95	\$6.95

HIGH LUMEN LED ENGINES



On Board Regulator 8-30V, AC/DC input.

LED light engines features: 6 high lumen LEDs.

120 deg. beam angle. Solder pads for linking of up to 30 modules. 5" leads

White: Color Temp: ~4500 87 Lumens

Red: 624nm 29 Lumens

Green: 525nm 65 Lumens

L: 1-1/4" W: 1" T: 3/16" WT: .002

STOCK #	DESC.	1EA
18879-OP	White 87 lm Light Engine	\$12.99
18880-OP	Red 29 lm Light Engine	\$12.99
18881-OP	Green 65 lm Light Engine	\$12.99

HIGH LUMEN LED ENGINES



12V, +/- .5V AC/DC input Only.

LED light engines features: 6 high lumen LEDs.

120 deg. beam angle. Solder pads for linking of up to 30 modules. 5" leads

White: Color Temp: ~4500 87 Lumens

Red: 624nm 29 Lumens

Green: 525nm 65 Lumens

L: 1-1/4" W: 1" T: 3/16" WT: .002

STOCK #	DESC.	1EA
18875-OP	White 87 lm Light Engine	\$9.95
18876-OP	Red 29 lm Light Engine	\$9.95
18877-OP	Green 65 lm Light Engine	\$9.95

I/R PHOTO TRANSISTOR



STANLEY PS5022 Silicon NPN photo transistor in 3.4mm Sq. flat package. Rated: BV_{ceo}=30V, I_c=20mA, V_{cesat}=100mV, Max sensitivity wavelength=880nm, 1/2 angle=+- 20deg, photo current @ 1mW/cm2 @ 880nm=.4mA min/2mA typ. .4" leads.

WT: .001

STOCK #	DESC.	1EA	10+EA
17756-QT	Stanley Phototransistor	\$0.19	\$0.18

I/R PHOTO TRANSISTOR



Siemens SFH309FA4 Silicon NPN photo transistor in T-1 LED case with I/R filter. Rated: BV_{ceo}=35V, I_c=15mA, V_{cesat}=200mV, Max sensitivity wavelength=900nm, Photosensitivity range=730-1120nm, 1/2 angle=+- 12°, photo current @ .5mW/cm2 @ 950nm=1-2mA. 1" leads

WT: .001

STOCK #	DESC.	1EA	25+EA
8949-OP	Photo Transistor	\$0.30	\$0.25

BE SURE TO CHECK OUR WEB SITE FOR NEW ITEMS & SPECIALS

5MM TRI-COLOR LEDs



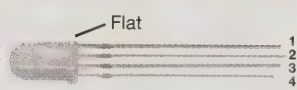
5mm (T1-3/4) Tri-Color Red/Green/Blue LED 4 leads. Transparent, diffused case. Available Common Anode (C/A) with separate Anode lead for each color. 1" Leads Wavelength: R630/G525/B430nm, Min. output: R200/G300/B150mcd. Max forward current 20mA continuous. Max Forward Drop: R2.5/G4.5/B4.5V. Max reverse Voltage =5VDC.

1: Red
2: Com
3: Blue
4: Green

WT: .001

STOCK #	DESC.	1EA	10+EA
17137-OP	C/A 5mm Tri-Color LED	\$0.99	\$0.74

5MM TRI-COLOR LEDs



5mm (T1-3/4) Tri-Color Red/Green/Blue LED 4 leads. Transparent, diffused case. Common Cathode (C/C) with separate Anode lead for each color. 1" Leads Wavelength: R630/G525/B430nm, Min. output: R200/G300/B150mcd. Max forward current 20mA continuous. Max Forward Drop: R2.5/G4.5/B4.5V. Max reverse Voltage =5VDC.

1: Green
2: Com
3: Blue
4: Red

WT: .001

STOCK #	DESC.	1EA	10+EA
18605-OP	C/C 5mm Tri-Color LED	\$0.99	\$0.74

5MM RED/GREEN LEDs



5mm (T1-3/4) Bi-Color Red/Green LED 3 leads. Transparent, diffused case. Common Cathode with separate Anode for each color. 1" Leads. Wavelength: R635/G570nm Min. output: R8/G5mcd Max forward current 20mA continuous. Max Forward Drop: R2.5/G2.5V. Max reverse Voltage =5VDC.

WT: .001

STOCK #	DESC.	1EA	10+EA
17136-OP	C/C 5mm Bi-Color LED	\$0.15	\$0.11

5MM RED/GREEN BI-POLAR LEDs



5mm (T1-3/4) Bi-Color, Bi-Polar, Red/Green LED 2 leads. Transparent, diffused case. Red & Green Leds connected in Anti-Parallel. 1" Leads. Wavelength: R635/G570nm Min. output: R8/G5mcd Max forward current 20mA continuous. Max Forward Drop: R2.5/G2.5V. Max reverse Voltage =5VDC.

WT: .001

STOCK #	DESC.	1EA	10+EA
17135-OP	C/C 5mm Bi-Polar LED	\$0.15	\$0.11

10MM WHITE 15000mcd LED



White, 10mm LED Water clear case. 15000mcd, typ. output. Max forward current 30mA continuous, 20mA recommended. 5VDC Max reverse Voltage. 3.8VDC typ. 4.5V max. Forward voltage drop. 15deg. View angle. 1" leads.

WT: .004

STOCK #	DESC.	1EA	100+EA
15415-OP	10mm WHITE LED	\$0.43	\$0.30

LED SPECIAL

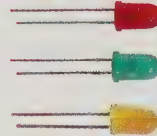
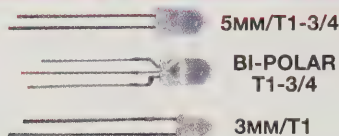


Jumbo diffused red LEDs and mounting clips, rated current=20mA, max current=30mA, buy your LEDs and get mounting clips for one low price.

Sold in Packs of 10

WT: .001

STOCK #	DESC.	1PK	10+PK
1413-OP	LEDs & Holders	\$1.75	\$1.65



WATER CLEAR

COLORED 5MM/T1-3/4

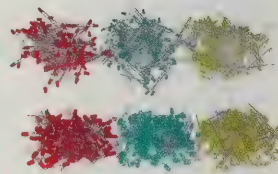
COLORED 3MM/T1

COLORED 10MM

STOCK#	COLOR/WAVELENGTH	INTENSITY	SIZE	CASE	VF	VRev max	IF cont.	WT	1EA	10+EA	100+EA
0206-OP	Red/660nm	2mcd Typ	3mm/T1	Red Non Diffused	1.8V	5V	20mA	.001	\$0.09	\$0.07	\$0.06
0972-OP	Green/565nm	3mcd Typ	3mm/T1	Green Non Diffused	2.2V	5V	20mA	.001	\$0.10	\$0.08	\$0.07
0973-OP	Yellow/585nm	3mcd Typ	3mm/T1	Yellow Non Diffused	2.1V	5V	20mA	.001	\$0.10	\$0.08	\$0.07
14143-OP	Near UV/400nm	80mcd Typ	5mm/T1-3/4	Water Clear	3.6V	5V	20mA	.001	\$0.29	\$0.22	\$0.20
12568-OP	Blue/470nm	3900mcd Typ	5mm/T1-3/4	Water Clear	4.0V	5V	20mA	.001	\$0.34	\$0.25	\$0.23
17145-OP	White	10000 Typ	5mm/T1-3/4	Water Clear	3.2V	5V	20mA	.001	\$0.34	\$0.25	\$0.23
16798-OP	IR /940nm/20deg.	17mW/sr	5mm/T1-3/4	Water Clear	1.2V	5V	20mA	.001	\$0.20	----	----
17139-OP	Red/630nm	690mcd Min	5mm/T1-3/4	Water Clear	2.0V	5V	20mA	.001	\$0.18	\$0.16	\$0.14
11017-OP	Red/630nm	3000mcd Typ	5mm/T1-3/4	Water Clear	2.1V	5V	20mA	.001	\$0.29	\$0.22	\$0.20
15109-OP	Red/635nm	3000mcd Typ	5mm/T1-3/4	Red Non Diffused	2.0V	5V	20mA	.001	\$0.25	\$0.20	\$0.15
17142-OP	YellowGreen/574nm	460mcdmin	5mm/T1-3/4	Water Clear	2.1V	5V	20mA	.001	\$0.18	\$0.16	\$0.14
17143-OP	Pure Green/525nm	5000mcd Min	5mm/T1-3/4	Water Clear	3.4V	5V	20mA	.001	\$0.39	\$0.30	\$0.28
15111-OP	Yellow/585nm	3000mcd Typ	5mm/T1-3/4	Yellow Non Diffused	2.2V	5V	20mA	.001	\$0.25	\$0.20	\$0.15
18036-OP	Yellow/585nm	40Typ	5mm/T1-3/4	Yellow Non Diffused	2.6V	5V	20mA	.001	\$0.10	\$0.07	\$0.05
17141-OP	Yellow/590nm	2000mcd Min	5mm/T1-3/4	Water Clear	2.5V	5V	20mA	.001	\$0.18	\$0.16	\$0.14
0641-OP	Red/700nm	3.2mcd Typ	5mm/T1-3/4	Red Diffused	1.7V	5V	20mA	.001	\$0.10	\$0.09	\$0.08
4085-OP	Green/565nm	5mcd Typ	5mm/T1-3/4	Green Diffused	2.2V	5V	20mA	.001	\$0.15	\$0.14	\$0.12
18053-OP	Green/565nm/.5" Leads	19mcd Typ	5mm/T1-3/4	Green Diffused	2.2V	5V	20mA	.001	\$0.10	\$0.07	\$0.05
4086-OP	Yellow/590nm	5mcd Typ	5mm/T1-3/4	Yellow Diffused	2.1V	5V	20mA	.001	\$0.15	\$0.14	\$0.12
18038-OP	Red/Orange/630	19mcd/Typ	5mm/T1-3/4	Red Diffused	2.0V	5V	20mA	.001	\$0.10	\$0.07	\$0.05
18039-OP	Red/Orange/630	20Typ	5mm/T1-3/4	Water Clear	2.0V	5V	20mA	.001	\$0.10	\$0.07	\$0.05
17140-OP	Red/Orange/630nm	1500mcd Min	5mm/T1-3/4	Water Clear	2.1V	5V	20mA	.001	\$0.18	\$0.16	\$0.14
15132-OP	Red/660nm	450mcd Typ	10mm	Red Diffused	1.8V	5V	20mA	.001	\$0.25	\$0.20	\$0.15
15133-OP	Green/568nm	300mcd Typ	10mm	Green Diffused	2.2V	5V	20mA	.001	\$0.30	\$0.25	\$0.20
15134-OP	Yellow/590nm	600mcd Typ	10mm	Yellow Diffused	2.1V	5V	20mA	.001	\$0.30	\$0.25	\$0.20

BULK PACK LEDS 100PCS/PACK

STOCK#	COLOR/WAVELENGTH	INTENSITY	SIZE	CASE	VF	VRev max	IF cont.	WT	1PKG
15101-OP	Red/635nm	20mcd Typ	3mm/T1	Red Diffused	1.8V	5V	20mA	.1	\$1.95
15102-OP	Green/568nm	10mcd Typ	3mm/T1	Green Diffused	2.2V	5V	20mA	.1	\$1.95
15103-OP	Yellow/590nm	10mcd Typ	3mm/T1	Yellow Diffused	2.1V	5V	20mA	.1	\$1.95
15108-OP	Red/635nm	50 mcd Typ	5mm/T1-3/4	Red Diffused	1.8V	5V	20mA	.1	\$1.95
15308-OP	Green/568nm	5mcd Typ	5mm/T1-3/4	Green Diffused	2.2V	5V	20mA	.1	\$1.95
15309-OP	Yellow/590nm	5mcd Typ	5mm/T1-3/4	Yellow Diffused	2.1V	5V	20mA	.1	\$1.95



LED KIT #1

110 Piece, LED assortment packed in a plastic divider box, contains: 5pcs. 5mm Hi intensity White; 10ea. of the following: 5mm red, green, yellow & infrared; 3mm red, green & yellow; 30ea. black mounting clips for 5mm LEDs.



WT: .3

STOCK #	DESC.	1EA	10+EA
16313-OP	LED Assortment Kit 1	\$9.95	\$7.95

LED KIT #2

110 Piece, LED assortment packed in a plastic divider box, contains: 5pcs. 5mm Red/Green Bipolar (2 lead); 10ea. of the following: 5mm red, green, yellow & infrared; 3mm red, green & yellow; 30ea. black mounting clips for 5mm LEDs.

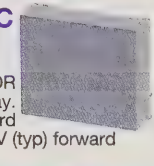


WT: .3

STOCK #	DESC.	1EA	10+EA
3770-OP	LED Assortment Kit 2	\$9.95	\$7.95

DUAL ALPHA-NUMERIC DISPLAYS

Dual .54" Red, Common Anode OR Common Cathode, 16 Segment display. 660nm, 2.5-5 mcd, 20mA max forward current, 5V max reverse voltage, 1.8V (typ) forward drop. Gray face color

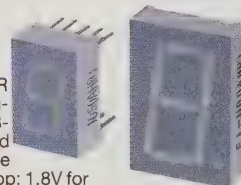


WT: .02

STOCK #	DESC.	1EA	10+EA
15128-OP	.54" Com. Anode Alpha.	\$1.95	\$1.49
15129-OP	.54" Com. Cath. Alpha.	\$1.95	\$1.49

7SEGMENT DISPLAYS

Red, Common Anode OR Common Cathode 7 segment display. 660nm, 3-4.5mcd, 20mA max forward current, 5V max reverse voltage. Typ. Forward Drop: 1.8V for .5in. /3.6V for 1". Gray face color



WT: .02

STOCK #	DESC.	1EA	10+EA
15118-OP	.5" Com. Anode Display	\$1.30	\$1.09
15119-OP	.5" Com. Cath. Display	\$1.30	\$1.09
15120-OP	1" Com. Anode Display	\$0.95	\$0.89
15121-OP	1" Com. Cath. Display	\$0.95	\$0.89

5 X 7 RED & GREEN LED MATRIX

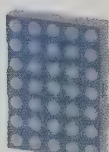
Liteon LTP-2757AA LED Matrix. Connected Anode Column/Cathode Row Fwd current/Dot: 100mA max/13mA Ave Max reverse Volts: 5V Fwd. Drop: 2.6V @ 20ma Max 2.1V Green 2.0V Red Typ. Two color: red/orange (630nm) & Green (565nm) in separate Row/column matrix. 2in height, stackable horizontally. DATA



STOCK #	DESC.	1EA	12EA
16784-OP	5X7 LED Matrix	\$5.95	\$4.95

2" DOT MATRIX DISPLAYS

Red, Anode Column OR Cathode Column, 5 X 7 Dot Matrix display. 660nm, 5-9 mcd, 20mA max forward current, 5V max reverse voltage, 1.8V (typ) forward drop. Gray face color



WT: .02

STOCK #	DESC.	1EA	10+EA
15124-OP	2" Col. Cathode Dot Matrix	\$4.59	\$3.39
15125-OP	2" Col. Anode Dot Matrix	\$4.59	\$3.39

4" DOT MATRIX DISPLAY

Red, AlGaAs, Anode Row, Cathode Column, 5 X 7 Dot Matrix display. 660nm, 10000 mcd, 100mA max, 20mA typ. forward current, 10V max reverse voltage, 4.8V (typ) forward drop. Black face color, Edge Stackable.

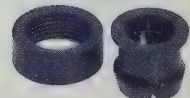


WT: .22

STOCK #	DESC.	1EA
18460-OP	4" Red 5X7 Dot Matrix Display	\$7.95

JUMBO LED MOUNTING CLIPS

Two part black plastic mounting clips for .200" LEDs, use to panel mount LEDs.

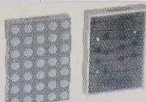


WT: .001

STOCK #	DESC.	1EA	200+EA
0207-OP	Black LED Mtg. Clips	\$0.10	\$0.09

5 X 7 GREEN LED MATRIX

Liteon LTP-2057AG
565nm Green LED Matrix.
Connected Anode Column/Cathode Row
Fwd current/Dot: 100mA max. 13mA Ave
Max reverse Volts: 5V
Fwd. Drop: 2.6V @ 20ma Max/ 2.1V Typ.
2in height, stackable horizontally. DATA
H: 2" W: 1-1/2"

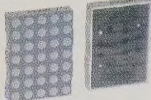


WT: .05

STOCK #	DESC.	1EA	25EA
16786-OP	5X7 Green LED Matrix	\$3.95	\$2.95

5 X 7 ORANGE LED MATRIX

Liteon LTP-2057AE
630nm Orange LED Matrix.
Connected Anode Column/Cathode Row
Fwd current/Dot: 100mA max. 13mA Ave
Max reverse Volts: 5V
Fwd. Drop: 2.6V @ 20ma Max/ 2.1V Typ.
2in height, stackable horizontally. DATA
H: 2" W: 1-1/2"



WT: .05

STOCK #	DESC.	1EA	25EA
16794-OP	5X7 Orange LED Matrix	\$3.95	\$2.95

5 X 7 RED & GREEN LED MATRIX

Liteon LTP-2N57M LED Matrix.
Connected Anode Row/Cathode Column
Fwd current/Dot: 100mA max/13mA Ave
Max reverse Volts: 5V
Fwd. Drop: 2.6V @ 20ma Max 2.1V Green 2.0V Red Typ.
Two color: red/orange (630nm) & Green (565nm) in separate Row/column matrix.
2in height, stackable horizontally. DATA
H: 2" W: 1-1/2"



WT: .05

STOCK #	DESC.	1EA	12EA
18459-OP	5X7 LED Matrix	\$3.50	\$2.95

LED MATRIX DISPLAY

Unique LED graphical display with rectangular LEDs in a 10X12 matrix.

TYPE: XYY Matrix. Colors as shown

Color	Vf	mCd	Dominant
RED	1.9 Typ @ 20mA	3-7	660nm
GREEN	2.1 Typ @ 20mA	3-5	565nm
YELLOW	2.2 Typ @ 20mA	3-5	585nm

Dot Size: Rect. 5.5mm X 3mm
Spacing: 2mmH/V between Dots
Gray Face/Diffused White Lens DATA

L: 66mm H: 48mm T: 15mm

WT: .057

STOCK #	DESC.	1EA
18050-OP	10 X 12 LED Matrix Display	\$1.95

LED TESTER

Compact, pocket sized checker/comparator for LEDs. 12 position test socket strip provides test currents of 2,5, 10,20,30 & 50mA. 7 center positions provide 10mA test current allowing you to compare several LED at the same time. Requires 9V battery (not supplied)

H: 3-1/8" W: 2-3/8" T: 7/8"

WT: .1

STOCK #	DESC.	1EA	5+EA
14371-TE	LED Tester	\$6.95	\$5.95



19" COLOR LCD DISPLAY

MFG: SHARP
P/N: LQ190E1LW01

Type: SXGA

Size: 19" Dia.

Colors: 16777216

Resolution: 1280X1024

Brightness: 300cd/m² (NITS)

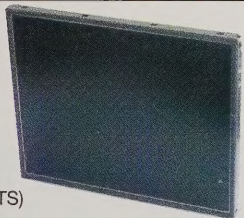
Contrast: 700:1

Specifications/Features: New, ColorTFT-LCD display for Sharp computers. 5/4 aspect ratio, 5VDC Power, LVDS Data signal levels. CCFT backlight requires Inverter (LQ0DZC5016) Not Supplied.

W: 16" H: 13" T: 3/4"

ShipWT: 7

STOCK #	DESC.	1EA
18856-OP	Sharp 19" LCD Display	\$99.95



SNAP-ON NOISE FILTERS

TIA-TECH P/N W5 SRH ferrite snap-on filters. Black Plastic case with type W5 split core material. Clamps around 3/8" cable and blocks noise. Frequencies from 25MHz to above 500MHz. Impedance: 100+ @ 25MHz/200+ @ 100MHz L: 1.3"



STOCK #	CABLE	DESC.	WT	1EA
18466-FL	.25"	Clam Noise Filter	.07	\$0.99
18461-FL	.37"	Clam Noise Filter	.09	\$2.49
18462-FL	.5"	Clam Noise Filter	.18	\$1.25

SNAP-ON NOISE FILTERS

Fair-Rite P/N 0443167281 ferrite snap-on filters. Plastic case with type 44 split core material. Clamps around cable up to .4in Dia. and blocks noise. Frequencies from 30MHz to 500MHz. Permeability=500, impedance: 125 @ 25MHz/210 @ 100MHz L: 1.55" W: .94" H: .94"



WT: .08

STOCK #	DESC.	1EA	25+EA
17842-FL	.4" Clam Noise Filter	\$2.49	\$1.95

POWER CHOKES

DALE IH Series high current filter chokes. 1in. Radial tinned leads for P.C. mount.

Rated: +-10% Ind. tol. , -55+75° C" operating temp. at full load.

IH-3-10uH/.018 ohm DC res./9A cont. L: 1" Dia: .63"

IH-5-50uH/.03 ohm DC res./8A cont. L: 1" Dia: .84"



STOCK #	DESC.	WT.	1EA
18059-CH	IH-3 10uH Choke	.03	\$0.75
18048-CH	IH-5 50uH Choke	.07	\$1.25

FILTER CAP

P.C Mount electrolytic Filter cap rated: 1000uF @ 100VDC.

P.C. Mount Snap-in pins. For power supplies, Amps etc.

Dia: 13/16" H: 1-9/16"

WT: .04

STOCK #	DESC.	1EA	300EA
18070-CR	1000uF Filter Cap	\$1.25	\$0.99



MONO CERAMIC CAPS

These small size monolithic ceramic caps are ideal for bypassing, filtering etc.

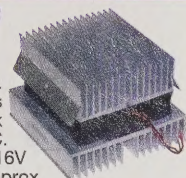
Rated 50V. +-20% Tol.



STOCK #	VAL.	SPACE	1EA	10+EA	100+EA	1000+EA
5625-CM	10p	.1	\$0.22	\$0.12	\$0.09	\$0.06
5626-CM	15p	.1	.22	.12	.09	.06
5627-CM	22p	.1	.22	.12	.09	.06
5628-CM	39p	.1	.22	.12	.09	.06
5629-CM	47p	.1	.22	.12	.09	.06
5630-CM	68p	.1	.22	.12	.09	.06
5631-CM	100p	.1	.22	.12	.09	.06
5632-CM	220p	.1	.22	.12	.09	.06
5633-CM	330p	.1	.22	.12	.09	.06
5634-CM	470p	.1	.22	.12	.09	.06
5635-CM	680p	.1	.22	.12	.09	.06
5636-CM	1000p	.1	.37	.19	.15	.10
5637-CM	2200p	.1	.22	.12	.09	.06
5638-CM	3300p	.1	.22	.12	.09	.06
5639-CM	4700p	.1	.22	.12	.09	.06
5640-CM	6800p	.1	.22	.12	.09	.06
5641-CM	.010u	.1	.23	.12	.09	.06
5643-CM	.033u	.1	.23	.12	.09	.06
5644-CM	.047u	.1	.23	.12	.09	.06
5645-CM	.056u	.1	.23	.12	.09	.06
2926-CM	.10u	.1	.23	.12	.09	.06
5647-CM	.22u	.2	.28	.19	.15	.10

THERMOELECTRIC ASSEMBLY

Peltier Effect cooling assembly. Contains module with 127 Pairs of couples mounted to a heatsink assembly. Optimized for 12VDC. 65-70W (~170 BTU). 8A max, 16V max, Draws 6A @ 12VDC. Approx. 50Deg "C" temp. difference with hot side fan (Not included) and insulated cold side. Designed for recreational coolers.

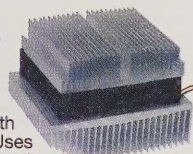


L: 5" W: 5-1/8" T: 3-3/4" WT: 2.6

STOCK #	DESC.	1EA	24+EA
15312-PM	Peltier Cooler Unit	\$29.95	\$27.95

LARGER THERMOELECTRIC ASSEMBLY

Peltier Effect cooling assembly with larger, more efficient heatsink. Uses module with 127 Pairs of couples mounted to a heatsink assembly. Optimized for 12VDC. 65-70W (~170 BTU). 8A max, 16V max, Draws 6A @ 12VDC. Approx. 50Deg "C" temp. difference with hot side fan (Not included) and insulated cold side. Designed for recreational coolers.



L: 6" W: 4-5/8" T: 4-1/4" WT: 3.4

STOCK #	DESC.	1EA	24+EA
15513-PM	Peltier Cooler Unit	\$37.95	\$34.95

100 WATT RESISTOR

Dale aluminum cased, chassis mt. power resistor rated: 3K ohm, 100Watts, 1%. Non-Inductive. Aluminum housing with 2 mounting ears. 12-24 threaded stainless steel stud terminals with nickel plated brass nuts.



L: 3-1/2" Body W: 2-7/8" O/A H: 2-3/4" O/A WT: .8

STOCK #	DESC.	1EA
17868-RS	100W 3K Ohm Resistor	\$9.95

120 WATT RESISTORS

Power resistors rated: 120 Watts, 5%. Use for power supply or audio loads. Solder terminals and steel Mtg. brackets



L: 8-1/2" W: 1-1/4" H: 2-1/2" O/A WT: .5

STOCK #	DESC.	1EA	50+EA
17785-RS	1 Ohm 120W Resistor	\$5.95	\$4.95
17786-RS	2 Ohm 120W Resistor	\$5.95	\$4.95
17787-RS	4 Ohm 120W Resistor	\$6.95	\$5.95
17788-RS	8 Ohm 120W Resistor	\$6.95	\$5.95
17789-RS	16 Ohm 120W Resistor	\$6.95	\$5.95

5 WATT RESISTORS

Ceramic Block, Power resistors rated: 5 Watts, 5%. Use for shunts, ballast resistors etc. 1-1/4" leads

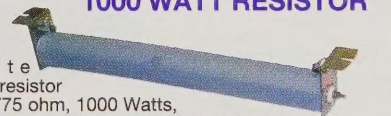


L: 7/8" W: 3/8" H: 3/8" WT: .01

STOCK #	DESC.	1EA	100+EA
17790-RS	0.1 Ohm 5W Resistor	\$0.35	\$0.29
17791-RS	1.0 Ohm 5W Resistor	\$0.35	\$0.29

1000 WATT RESISTOR

Ohmite Power resistor rated: 775 ohm, 1000 Watts, 5%. Removable jumpers connect resistor to mounting brackets for use on buss bars. Solder terminals and slotted steel Mtg. brackets



L: 23-1/4" O/A H: 4" O/A W: 2-1/2" O/A WT: 5

STOCK #	DESC.	1EA
17867-RS	Super Power Resistor	\$9.95

BUY 1 GET 1 FREE

LIMITED TIME & QUANTITIES

WIRE TIE TOOL

SEE 18353 TL for SPECIFICATIONS

Tool tightens & cuts nylon ties in one operation.



19056-TL 2 TIE WRAP TOOLS \$4.95

830 TIE POINT BREADBOARD

SEE 4443 TE for SPECIFICATIONS

solderless breadboard with 2 distribution strips



19047-TE 2 BREADBOARDS \$4.95

12V LED INDICATORS

SEE 16986 LE for SPECIFICATIONS

12mm Square Lens.LED & Lens Color the same



18997-LE 2 LED INDICATORS \$0.99

12V 3-3/8" FANS

SEE 18088 FN for SPECIFICATIONS

12VDC @ .75A 85CFM with Plastic Blades & Frame and Stall sensor output



18998-FN 2 3-5/8" FANS \$3.95

SUCTION MOUNT

SEE 18521 MI for SPECIFICATIONS

Adjustable Plastic bracket with 2-3/4" suction cup

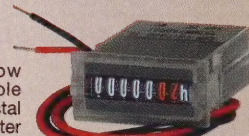


19055-MI 2 MOUNTS \$3.95

24V RUNNING TIME METER

SEE 17906 PS for SPECIFICATIONS

ENM T33 series low power, Non-Resetable Time meter.7digit, crystal controlled impulse counter



18982-MI 2 RUNNING TIME \$14.95

Limited Time Specials

MINI 0-30V/3A SUPPLY

P/N: 9615
Input: 110 VAC 60Hz
Output: 0-30VDC @ 0-3A Constant Voltage/Current
Specifications/Features: True Constant Current (Can drive a short). Enclosed Switching bench supply with backlit LCD display for output Volts & Amps. .01% +5mV Line / .2%+5mV Load regulation, <200mV RMS max ripple. Front banana jacks. Internal fan. CE/RoHS
L: 6" W: 2-7/8" H: 6-3/4" WT: 3.2



1/16" BLACK HEATSHRINK TUBING

LIMITED QUANTITY

Polyolefin, 1/16" dia. before shrinking with a 2X min shrink ratio. Rated 125deg. " C", 600V. UL/CSA Listed.
L: 100ft. Roll WT: .4



CELL HEADPHONE & MIKE

Small, light weight communication headset for Motorola V3688, V8088, L2000 & P3689 phones. Dynamic ear-piece. FET mike in the interconnecting cord. Ideal for hands free operation. 4ft cord with 2.5mm stereo phone plug.



STOCK #	DESC.	1EA
9615-PS	Mini 0-30V/3A Bench Supply	\$49.95

STOCK #	DESC.	1EA
18964-HS	1/6" Black Shrink Tubing	\$3.95

STOCK #	DESC.	1EA
12873-MK	Headphone & Mike	\$1.95

JUST ARRIVED

24VDC DPST-NO RELAY

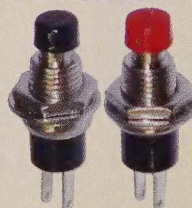
MFG: MAGNECRAFT
P/N: 199QX-5
COIL: 24VDC/290 ohms
CONTACT RATING: 30A@28VDC/50V@120-600VAC
ACTION: DPST-NO
New but made in 1980s. General purpose contactor with .250" Quick connect terminals for contacts & coil. UL listed. 2-1/2" sq. mounting base
L: 3-1/2" W: 3" H: 2-1/4" WT: .6



PUSH BUTTON SWITCHES

BACK IN STOCK

Mini push button switches, Momentary, Mounts in a 1/4" hole with Solder tabs. Rated 3 Amps @ 125VAC.



WT: .01

STOCK #	STYLE	DESC.	1EA	100+EA
5019-SW	SPST Normally Open Red		\$0.29	\$0.26
5020-SW	SPST Normally Closed Blk		\$0.29	\$0.26

TRIPLE OUTPUT BENCH SUPPLY

MFG: MPJA Inc.
Input: 110 VAC 60Hz
Outputs: #1: 0-30VDC @ 0-5A #2: 0-30VDC @ 0-5A #3: 5VDC @ 3A
Specifications/Features: Dual Constant Voltage or Current supply with dual backlit LCD meters. Selectable Series/Parallel operation of Adj. supplies. 10 turn Voltage control, Push button Current control (30ma resolution). <.05% Line/Load regulation (CV) .05% line/load (CC). Front panel output Banana Jacks & Terminal strips.
W: 10-3/4" D: 13" H: 7-1/2" WT: 28.7



STOCK #	DESC.	1EA
9335-PS	Three Output BenchSupply	\$259.00

69

CATALOG#

12-03H

CUSTOMER #

314310

THIS IS THE ONLY CATALOG YOU WILL RECEIVE UNLESS YOU PLACE AN ORDER OR REQUEST ANOTHER CATALOG

MARLIN P. JONES & ASSOC., INC.
P.O. BOX 530400, LAKE PARK, FLORIDA 33403-8906

12-03

PRESORTED
STANDARD
U.S. POSTAGE
PAID
M. P. JONES INC.

008620
P-130 P20

12VDC 4-3/4" FAN

MFG: JAPAN SERVO
P/N: CND12Z7RP
Input: 12VDC
Current: 71A
CFM: 124
Specifications/Features:
Ball bearing fan with plastic body & blades. 49 db Noise,
Tach sensor output. 10 in. leads. UL/CSA/TUV Listed.
SQ: 4-3/4" T: 1-1/2"

MORE
PGS
56,57



STOCK #	DESC.	1EA
18222-FN	12VDC Japan Servo Fan	\$4.95

FOOT SWITCH

MORE
PGS
58,59

Metal case, Medium duty foot switch for industrial use.
Contacts: SPDT
380VAC/220VDC @ 5A.
Actuation pressure:
Approx. 4lbs.
Cord Not Included

L: 5-1/4" W: 2-5/8" H: 1-5/8" WT: .34

STOCK #	DESC.	1EA
18152-SW	Medium Foot Switch	\$7.95

TOGGLE SWITCH SAFETY COVER

Red Plastic Snap action safety covers for standard (1/2" Dia.) sized toggle switch. Cover must be open to activate switch. Closing cover forces switch to original position.

Mtg.: 3/4" hole WT: .03

STOCK #	DESC.	1EA
16100-SW	Red Safety Toggle Cover	\$0.69



MORE
PGS
58,59

SURGE PROTECTED STRIP

MORE
PG
34

Wall mount surge protector with 4 outlets protected L/N, L/Gnd & N/Gnd. 1875 W max. Load. Protect electronic equipment from electrical spikes. Built in status indicator light. Clamp Volts: 330V. 4ft. line cord. UL listed.

WT: .22

STOCK #	DESC.	1EA
18971-MI	4 Outlets Surge Protector	\$8.95

1.8Deg. STEP MOTOR

MORE
PGS
41-45

MFG: SANYO DENKI
P/N: 103G770-1856
COIL: 3.5V/1.5A/2.4ohm/2.9mH
TYPE: 2 Phase Bi-Polar 6 lead
STEP ANGLE: 1.8 deg
6.5mm dia. X 18mm steel shaft with a pressfit 3/4" dia. 25 tooth, plastic cog belt gear. Ball bearings, 5in leads. Removable anti-vibration bracket with mtg. ears. 4 corner mounting holes (motor).
L: 2-1/8" (Body) SQ: 2-3/16" WT: 1.3

STOCK #	DESC.	1EA	8+EA
16321-MS	1.8 Sanyo Step Motor	\$9.95	\$8.95

2.0 USB CABLE

MORE
PGS
27,28

USB 2.0 cable with a TYPE A male on one end and a Type B Male on the other. Black jacket. L: 36" WT: .1

STOCK #	DESC.	1+EA	25+EA
18976-CB	36in. USB 2 Cable	\$1.49	\$1.25

ROCKER SWITCH

MFG: C-H
P/N: 56002-01
Action: ON/ON
Contacts: 25A@12VDC

Snap-in panel mount rocker switch with screw terminals Bright metal bezel, mounts in 5/8in. X 1-9/16in. cutout L: 1-7/8in. W: 15/16in. Ht. 2in WT: .04

STOCK #	DESC.	1EA
19017-SW	12VDC Rocker Switch	\$1.50

FULL SIZE 15A TOGGLE SWITCH

Standard toggle switches, Mounts in a 1/2" hole. Rated: 10 Amps @ 250VAC. 15A @125VAC. Screw terminals.

STOCK #	DESC.	1EA	200EA
16081-SW	SPDT Full Toggle	\$0.83	\$0.66

12VDC ACME GEAR MOTOR

MORE
PGS
41-45

P/N: 5503740 D
COIL: 12VDC
90Deg. Angled gearhead DC motor rated: 88/178/380RPM @ 6/12/24VDC, 1.5A No Load /17A Stall @ 12V. .187 male quick connect terminals 1/8" long 7/16"-8 Modified class 4G single thread Leadscrew with the custom traveler nut.
L: 5-1/2" (OA) H: 2-1/4" (OA) H: 6" WT: 1.8

STOCK #	DESC.	1EA
19007-MD	12VDC Acme Motor & Nut	\$14.95

12V GEARMOTOR

COIL: 12VDC
Gearhead DC motor rated: 6V= 65RPM/1A no load/.5A Stall 12V=140RPM/1.2A no load/1A Stall 15V=178RPM/1.3A no load/1.2A Stall 5mm dia. X 10mm flattened steel shaft. 3 metric (M3) threaded mounting holes. 2" leads.
L: 2-7/16" (Body) Dia: 1-1/4" WT: .24

STOCK #	DESC.	1EA
18746-MD	12VDC Gearhead Motor	\$12.95



LIGHTED MIRROR

MORE
PGS
19-25

Telescoping, rectangular inspection mirror with 2 super bright mini white LEDs. Mirror head is 2-1/2" X 1-5/8". 11" collapsed (max), 34" extended (max). Uses two Coin Cells (included).

L: 11-34" W: 2-1/4" WT: .28

STOCK #	DESC.	1EA
18916-TL	Telescoping Lighted Mirror	\$9.95

2W SUPERBRIGHT FLASHLIGHT

Heavy Duty Flashlight with a single 2W OSRAM W5AM White super bright white LED Rated 70-80Lumens. Black, water resistant machined aluminum case. Fixed focus tor. Requires 2 "AA" cells (Not supplied). All push button switch on back. Includes belt L: 6-1/4" D: 1-3/8"

STOCK #	DESC.
18920-TL	2W Osram LED Flashlight

HEX BIT DRIVER

FOR A LIMITED TIME
RECEIVE A FREE 4 PIECE BIT SET!
While supplies last.

Cordless driver for 1/4" (6.35mm) HEX shaft Uses 4 "AA" cells (not supplied) L: 8-1/4" DIA: 1-5/8"

STOCK #	DESC.
18706-TL	HEX Bit Driver

SUPER MINI PUSHBUTTON SWITCH

MFG: ALPS
P/N: SKEYAB028A
Action: SPST-NO
Contacts: 5mA, 12VDC
Small P.C. mount elastomeric pushbutt Ohm contact resistance max. 120m act SQ: 7.8mm H: 5mm

STOCK #	DESC.	\$0.15	\$0.10
18983-SW	Mini PB Switch		

MULTI FUNCTION PANEL METER

Compact, Auto polarity, 3-1/2 Digit, 1/2" character height, reflective LCD panel meter with black plastic bezel & face plate. Adj. decimal point, .8% accuracy (1% AC). >100Mohm input imp. Chip On Board design for economy & compactness. For battery powered monitoring or test equipment. RANGES: (jumper selected)

ADC: 200mA VAC: 200V/500V
VDC: 200mV/2V/20V/200V/500V
Selectable Power: 9VDC (Isolated power) or 5VDC (input & power can share common Ground)

W: 2-5/8" H: 1-3/4" D: 3/8" WT: .1

STOCK #	DESC.	1EA	15+EA
16177-ME	Multi.LCD Panel Meter	\$8.95	\$8.40

24V TO 13.8V DC/ DC CONVERTER

Input: 20-35VDC
Output: 13.8VDC @ 15A peak (1-2Min) 10A for 7Min/5A continuous.

Heavy duty, linear down converter. Used in applications where truck/boat etc. electrical system is 24V to provide 13.8VDC for Radios, and other communication systems. Isolated metal case, 6in input leads, binding posts for output. For direct connection to batteries only. Series 2 units for up to 50VDC Input, Parallel units for higher current.

L: 8" W: 5-3/8" H: 1-1/2" WT: 2.3

STOCK #	DESC.	1EA
9610-PS	24/12V Down Converter	\$29.95

